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Dear students,

In light of the present economic crisis it becomes increasingly important that education, and especially higher education, advances and thrives. The University of Cyprus contributes most significantly to the diverse development of the Cypriot society. In fact, this is the University’s stated aim in regard to both young people and the Cypriot society in general. This aim derives from the University’s vision to become both an educational and research institution of international repute as well as a regional centre of excellence, promoting collaboration and communication in the Mediterranean area.

Despite the fact that the economic crisis has affected development in many sectors, including education and research, the University promotes growth and values education as one of society’s highest priorities. Furthermore, in response to the needs of contemporary society the University constantly strives to introduce new high quality undergraduate programmes of study that fully comply with international standards and practices. The Medical School is an important addition in the list of the Faculties of the University placing it in a higher position in the international rankings of the best universities.

In the framework of its social contribution to the cypriot society, which is currently experiencing difficult socio-economic conditions, the University makes use of means at its disposal to both support students with financial difficulties as well as employ young scientists and researchers.

At the same time, the University of Cyprus works consistently to strengthen the existing programmes of study by improving infrastructures and upgrading materials and equipment vital to research. A significant achievement of the development plan is the Learning Resource Centre “Stelios Ioannou” on the main University Campus. The Centre was designed by the renowned architect Jean Nouvelle and it is expected to be completed within the second half of 2015.
As the new class of undergraduate students, I am certain that you feel proud to have been admitted to study at the highly selective University of Cyprus. The University offers an excellent education taught by internationally accomplished academics and supported by capable administrative staff that work tirelessly to motivate and support you during your studies.

The University of Cyprus will continue to modernize in response to international educational advancements. The University will plan methodically for future challenges, as well as consistently check for any areas that require upgrading.

Thus, you can see the important role that the University plays in Cypriot society, as well as its dedication to research and teaching. I welcome you to the University and invite you to explore the undergraduate prospectus.

This prospectus offers basic information on the University for potential and current undergraduate students as well as any other interested parties. In it you will find all that you need to know about studies, rules, regulations and services as well as a complete list of the programmes of study offered in every Faculty and Department. There is also information on life at the University of Cyprus and on the basic aspects of the University’s structure, function and contribution. Details on student activities, clubs, sports and organisations are also included in the prospectus. It is up to you, the students, to get the most out of the opportunities available and at the same time take an active role in enhancing the University’s standard as an educational and research institution of international repute.

I wish you a very creative and productive student time in your student life, which will probably be the most productive in your lifetime!

Kind regards,

Professor Constantinos Christofides
Rector
The University of Cyprus was founded in 1989. Its first undergraduate and postgraduate students were admitted in 1992 and 1997 respectively. Despite its few years in operation, the University of Cyprus has already been recognized, both locally and internationally, for its high academic standards and excellent performance in the field of research. Admission to the University is by national entrance examinations and the competition for places is intense. Many University of Cyprus graduates have been accepted for postgraduate studies - most with full scholarships - in some of the most reputable universities internationally.
Research Activity

Original research is one of the primary activities of the academic staff at the University of Cyprus. Undergraduate and postgraduate students, as well as research assistants may be involved in the research process.

The University’s research programmes cover a wide range of fields that correspond to existing specialisations and departments. They are funded either through the University’s budget or by institutions in Cyprus such as the Leventis Foundation, the Cyprus Research Foundation and abroad. European Union Programme HORIZON 2020, ind. ERC and Marie Skłodowska-Curie Actions, ERASMUS+, INTERREG, LIFE, COST, EEA Grants constitute the majority of externally funded projects. The University of Cyprus is recognised through international awards and it is favourably classified by international evaluation procedures for the achievements in research and innovation by the academic staff.

The University is a member of a number of international university associations and networks. It also cooperates, through inter-state and inter-university agreements with universities and research centres in Europe and internationally, for the promotion of science, scholarly research and exchange of information. The University, within the framework of its social contribution, cooperates with various institutions in Cyprus on research projects that are specifically aimed at the needs of local industry and the economy in general.

Research Centres/Units

A number of research centres and research units operate at the University of Cyprus as independent, non-profit organisations committed to conducting rigorous and innovative research. The research centres and units aim to develop research at a local, European and international level in their specific scientific fields and attract a large number of research projects funded by research promotion organisations locally and abroad. Research projects that apply directly to Cyprus are considered as particularly important, as they make a significant contribution to Cypriot society, specifically in the sectors of economy, industry and culture.

The following research centres/units operate at the University:

- Archaeological Research Unit
- Centre for Gender Studies
- Economics Research Centre
- Centre for Banking and Financial Research
- Nanotechnology Research Centre
- KIOS Research Centre for Intelligent Systems and Networks
- International Water Research Institute “NIREAS”
- Oceanography Centre
- Molecular Medicine Research Centre
- Centre for Applied Neuroscience
- Research Centre for Sustainable Energy
The Academic Staff
The academic staff is international, comprising of Cypriots, Greek citizens as well as scholars recruited from abroad.

Governing Bodies
The University is a public corporate body governed by the Council and the Senate. The Faculties and Departments are administered by Boards; each Faculty is headed by a Dean and each Department is headed by a Chairperson (see relevant Appendix).

Administrative Bodies
The Administration is composed of the following services:
• Academic Affairs and Student Welfare Service
• Financial Services
• Human Resources
• Information Systems Service
• Library
• Research and International Relations Service
• Technical Services
The overall administration of the University is currently the responsibility of the University Council and the Senate. Administrative Services provide the infrastructure and support required for the implementation of the University Council’s decisions and policies. A committed staff promotes and enhances the University’s goals for education and research.

The Director of Administration and Finance (Secretary General, Registrar elsewhere), a non-voting member of the University Council and the Senate, is responsible for the organization, coordination and development of the Administrative Services of the University as well as the implementation of the University’s development plans. He advises the Council on matters within his jurisdiction, including financing, budgeting, personnel, external affairs and projects, student affairs, facilities (planning, operations), etc.

UNIVERSITY BUILDINGS
The University is currently housed in the recently constructed facilities at the new University Campus as well as at the former Pedagogical Academy of Cyprus, in other owned or rented buildings. The historic building complex (Central Campus) of the Pedagogical Academy was fully renovated, while retaining its architectural style to meet the requirements of a modern university. On this Campus, two additional buildings have been constructed, that is the New Wing (Building E) and Wing B (Building B). In addition to the main buildings, the University owns or rents other buildings in the same area to cover its housing needs until the completion of the permanent Campus (see relevant Appendix).

The Campus Development Office was established to supervise the project of the New Campus and is responsible for its management, coordination and development. Architectural competitions ensure that the University secures the best innovative ideas, designs and construction management for the various buildings on the New Campus. Upon completion, the University Campus will accommodate a total of 10,000 students.

To date, the basic infrastructure of the University Campus, the Services and Stores Buildings, the Student Residences (Phase 1a), the Faculty of Pure and Applied Sciences including the Common Teaching Facilities I, the University House “Anastasios G. Leventis”, which houses the management and most of the administrative services of the University, the Sports Centre, the Faculty of Economics and Management including the Common Teaching Facilities II, as well as the Social Facilities Centre have been completed.

Construction of the Learning Resource Centre “Stelios Ioannou” commenced in October 2011 and the project is expected to be completed within the second half of 2015. Early in 2011 the design of the permanent facilities of the Faculty of Engineering was assigned; at the same time, the architecture competition for the Department of Biological Sciences and Common Building Facilities III was launched.

LIBRARY
The University of Cyprus Library aims to create the necessary resources and a reliable information environment that will enhance learning and progress at the University as well as benefit the local society.

The Library is hybrid: it contains print, digital and audiovisual material. The print material is searchable through the online catalogue, while the digital material can be accessed via the Library website, at http://library.ucy.ac.cy/.

Collections and Branches
The Library collection is housed in five branches, all of which offer free access. The collection comprises of books, periodicals and reference material (dictionaries, encyclopedias, etc.). The Library provides reading rooms, workstations for access to electronic resources (databases, electronic journals and books, digital collections), lending facilities as well as photocopy machines for reproduction according to the copyright law.

Main Library
The Main Library is located in the University Campus at 75 Kallipoleos Street. It holds the main open-access collection of books, reference material, and special collections
including the following: Browning, Milliex, Diamantis, Dervis and Demetsopoulos.

**Periodicals Library**
The Periodicals Library is also located in the University Campus at 75 Kallipoleos Street. Its collection includes 5,400 print journals.

**Archaeology Collection**
The Archaeology Collection is housed in the premises of the Archaeological Research Unit, located at 12 Gladstone Street. This non-lendable collection consists of 24,500 books and 440 journals, as well as the Pallas Byzantine Studies Collection.

**Turkish Studies Collection**
The Turkish Studies Collection is located at 10 Halkokondili Street. This collection comprises 26,500 books and 880 print journals. It also includes several special collections, such as those of Halasi-Khun Tibor, Andreas Tieze and Louis Bazin.

**Larnakos Avenue Branch**
The Branch is situated at 167 Larnakos Avenue, near the University Campus. The main resources relate to the Pure and Applied Sciences, Engineering Science, Economic and Management Sciences.

**Strovolos Branch**
The Strovolos Branch is a closed-access stack space not accessible to the public. Material from this branch is transferred to the Main Library within one working day following receipt of an online application.

**Information Resources**
The Library has a wide variety of information resources: print, electronic and audiovisual. Electronic resources are available through the Library’s individual subscriptions and through its participation in the Association of Cypriot Academic Libraries and the Hellenic Academic Libraries Link (HEAL-Link).

**Books**
The Library collection includes 324,000 books and print journals. Books are classified according to the Library of Congress Classification System and are searchable through the Library online public access catalogue.

**Electronic Books**
The collection includes 192,000 electronic books and is accessible through the Library website. Access to the collection is possible only within the University network.

**Databases**
Users, via the Library website, have access to 186 bibliographic databases, statistical and economic databases, full-text collections, etc. The databases are organized and searched in alphabetical order and by subject. Access to the collection is possible only within the University network.

**Periodicals**

**Print Journals**
There are 6,540 Greek and foreign print journals, which can be searched through the online public access catalogue.

**Electronic Journals**
Those who are connected to the University network can access 30,000 electronic journals from the Library website.

**Digital Collections**
The digital archive of the Library includes rare print and audiovisual sources. The Library aims to preserve the sources and provide access to all members of the UCY academic community and the public in general.

**Reference Material Collection**
Apart from the electronic reference collections, print resources such as encyclopedias, dictionaries, etc., are also available. Users can search through the online catalogue.

**Audiovisual Material Collection**
The collection is located at the Main Library and includes CDs, DVDs, maps, audio cassettes, microfilm, microfiche, etc., as well as the equipment required for educational and research use of this material. The collection in total includes 9,000 titles that are searchable through the library catalogue and through the Library website.

**Using the Library**

**Regulations for Library Use**
All members of the University of Cyprus (students, faculty and administrative staff), as well as external users, are free to use the Library facilities, services and collections.

**Lending Services**
Lending Services manage the availability of Library material: issue, renewal, return, reservations, recalls, handling of circulation-related enquiries, and administration of appropriate penalties for defaulting borrowers.

All UCY members who obtain a UCy ID card have the right to borrow material. External users not affiliated with the University of Cyprus may use the reading areas and open-access collections. They are given borrowing rights upon registration as library members and upon payment of an annual fee.
Interlibrary Loan Service

The service undertakes to provide users with books, articles, conference proceedings, etc., that are not available in the library collection and are essential for research. For this purpose the Library has established collaboration with international networks (Interlibrary Loan Network of Hellenic Academic Libraries, the Interlibrary Loan Network of the National Documentation Centre (NDC), SUBITO in Germany, the British Library, INIST in France, etc.). The Library also assists other libraries in Cyprus and abroad to fulfil their users’ information needs.

Library and Information Services for Blind and Visually Impaired Users

In 2000 an adaptive workstation was installed for blind users, as well as a portable magnification device for visually impaired users. The workstation is equipped with software and devices that enable blind users to use the digital library without the mediation of sighted persons.

The Library works in collaboration with the academic staff and the School for the Blind to digitally reproduce all necessary course material for visually impaired students. In 2005 the Library joined the DAISY Book Consortium.

Research Assistance

Information Literacy

The Library holds educational seminars to familiarize users with its collections, resources and services. The seminars aim to help Library patrons develop and enhance their information literacy so that they can benefit fully from the Library’s resources.

Ask a Librarian

The service is accessible via the Library website and is available to the UCY academic community and external users.

AskLive

Patrons can use the AskLive Service to ask brief and specific reference questions related to the collections, resources and services of UCY Library. Replies are sent via real-time chat.

The service is available from Monday to Friday, 8:30-13:30, excluding holidays.

By appointment

Users can schedule a research consultation appointment for personal assistance in a variety of areas: to find appropriate print and electronic information on a particular topic; to become familiar with the UCY Library catalogue and collections; to learn how to use library resources and tools, including library catalogues, databases, electronic resources and RefWorks.

The service is available primarily to members of the UCY academic community and, as time permits, to external patrons.

Reference Management Tools (RefWoks, etc.)

The Reference Management Tools are accessible through the Library website. They can help users import bibliographics references directly from databases and websites to their own database, create and organize them in a personal database, standardize citations (MLA, APA, Chicago Manual of Style, Turabian), and create bibliographies for papers, articles, projects, etc.

European Documentation Centre (EDC)

The European Documentation Centre (EDC) of the University of Cyprus was established in 2012, and is now a member of the European Documentation Centre Network, an EC initiative that was inaugurated in 1960 and currently includes almost 400 EDCs throughout Europe. EDCs aim to ensure that information concerning the activities and policies of the European Union is available to all its citizens.

The EDC of the University of Cyprus is a library service and is located at the Main Library. It is open to members of the academic and the wider community during the Library’s working hours.

The EDC collection includes both printed material and electronic resources regarding the European Union and its policies, such as: official publications, annual reports, journals, statistical and economic databases, bibliographies, textbooks and pamphlets, etc. The monographs and print journals have been included in the Library collection and are searchable through the Library’s online public access catalogue.

INFORMATION SYSTEMS SERVICE

The mission of the Information Systems Service (I.S.S.) is to continuously evaluate and introduce new services so that the University operates with the utmost efficiency (regarding both costs and operations and according to the goals of the University). Additionally, the I.S.S. is responsible for maintaining in secure and good working order the current information technology services and systems that are required to carry out all academic and administrative activities.

I.S.S. provides core computing and information technology services to the entire University.

Account Services

All Students are entitled to a University Account (username/password), which will facilitate their access to the various UCY systems such as email, labs, student registration system (Banner), Blackboard, remote access service (VPN), UCY wireless network (ucywifi), European Universities wireless network (eduroam), etc.

Accounts can be set up online at:
http://www.ucy.ac.cy/register/. All accounts include the
tools needed for their management (password change,
forgotten password change through answering predefined
questions, forgotten username recovery).

Users will be authenticated once and can access the rest of
the resources, authenticated for the remainder of their use
of a service.

**Email Services**
Each University email account is provided with its own
electronic mailbox, as well as a Web mail tool that enables
full access to the mailbox via any internet browser.

**Electronic storage and tools services**
Individual electronic space is available to students who wish
to store data and/or create web pages. Unix tools are also
available for teaching purposes.

**Open access PC Labs**
Labs and personal computers as well as printing facilities
are available for use by the University community. These are
equipped with a wide variety of teaching software and are
available for project work and teaching purposes.

**E-Learning**
Students who register for courses using the e-learning
system are able to access all course material using their
personal accounts.

**Educational Services**
At the beginning of the academic year the Information
Services offers intensive educational seminars on the
use of office applications and the e-learning system. Interested students may register online at
http://www.ucy.ac.cy/issrequests.

**Network Services**
The University of Cyprus provides high-speed network
access to the internet and other network services.

**Telephony Integrated Services**
Integrated Services include telephony, electronic fax,
softphone and voice mail. An important telephone service
is the Call Center, which provides callers with up-to-date
information on the University.

**Wireless Network**
Wireless network is available in almost all buildings of the
University. It is used to support lectures, conferences,
seminars and many different events.

**Residential Halls - Network Services**
Network services are available in all rooms of the
residential halls.

**Multimedia and Videoconference**
There are 14 different rooms throughout the University
Campus equipped with teleconference units; these are
available to all members of the University community. The
multimedia services include audiovisual coverage of events
as well as preparation of short films and digital albums.
Video streaming is also available.

**Helpdesk**
Phone support is available for all central services of the
Information Systems Service. Our goal is to offer efficient
and knowledgeable support related to IT systems.

**Remote Access Service (VPN)**
This service allows authorized University users secure access
to the University’s intranet from wherever there are internet
facilities. The user, therefore, has access to all University
online resources (e.g., the library’s electronic journals).

**Data Security and Protection Service**
The University network and core systems are monitored in
order to detect anomalies and prevent security risks and
malicious behavior. It also investigates all security incidents.

**Antivirus Service**
Antivirus protection is provided to all University-connected
computers and servers (e.g., labs).

**Perimeter and Internal Network Security**
The service goal is to protect personal data, systems and
users from network threats. It provides network-level
security in the perimeter (Internet access) and for all internal
networks. The service provides access lists that limit access
to resources from unauthorized networks. Additional web
content filtering is applied to protect users from malicious
content or malware from the Internet. The service
implements University policies regarding network access.

**Antispam Service**
All emails directed to University addresses are scanned prior
to delivery. This is to ensure that the mail service functions
efficiently and to protect users from malicious viruses. This
service also helps reduce the number of unsolicited
messages (SPAM).
**E-University**

The E-University project aims to provide automated and qualitative services to the University academic community, exterior contracting institutions and the wider society. These services are focused on the qualitative support of research and teaching through the use of information technology; in other words, to establish a functioning Electronic University (e-University). This requires both the design of new processes and the adoption of a new working mentality.

**INTERNATIONAL RELATIONS**

The University of Cyprus is a member of the European University Association (EUA), the Association of Mediterranean Universities (UNIMED), the Network of Universities from the Capitals of Europe (UNICA), the Association of European Union Universities of Small States (EU²S²), the Association of Commonwealth Universities (ACU), the International Association of Universities (IAU), the Santander Group (SG), the Euro-Mediterranean University (EMUNI), the Campus Europeae, the European Association of Erasmus Coordinators (EAEC), the European Inter-University Centre for Human Rights and Democratisation and others. The University has also established close contacts with numerous international organisations, including the European Commission (DG Research and Innovation, and DG Education and Culture), UNESCO, CEPES and the Council of Europe. This international cooperation, enhanced by the collaboration of the academic staff with universities and research institutions abroad, positions the University of Cyprus favourably in the international scholarly community.

Notably, the former Rector of the University of Cyprus has been re-elected as President of the UNICA Network for a second term of office for the period 2011-2014. Moreover, a number of the University’s academic and administrative staff participate in UNICA working groups to promote issues of topical interest to universities worldwide. In addition, in June 2011 the European Union Universities of Small States Association (EU²S²) was established with the initiative of the Rector of the University of Cyprus, who has been elected as the Association’s first President.

The University of Cyprus has signed Bilateral Agreements of Cooperation with around 150 universities and research institutions in Europe, Australia, Middle East, Asia, USA, and Canada. These Agreements, which can be either inter-university or inter-departmental, authorise and facilitate student and academic staff exchanges, joint research projects, conferences and exchange of teaching and research material.

The University of Cyprus maintains close links with the Cypriots and Greeks of the Diaspora. In cooperation with the Ministry of Education and Culture, the University of Cyprus had been offering for 5 consecutive years (2006-2011) in July the Educational Programme for Teachers of the Diaspora, where Greek and Cypriot teachers from Canada, the USA, Australia, the UK, South Africa and Greece. The Programme is co-organised with NEPOMAK, the Cyprus Youth Board, the School of Greek Language and the Research and International Relations Service of the University of Cyprus; it is financed by the Republic of Cyprus. As a result of the close bonds between the University and the Diaspora, the University is considered as one of the key institutions that have an active role on issues of the Diaspora.

Throughout the year UCY welcomes delegations from foreign universities and international organisations, embassies and student organisations of the Diaspora.

International Relations play a crucial role in the promotion of the University of Cyprus, resulting in its good reputation internationally for the quality of both research and teaching. For this reason, the University has been chosen by the Cervantes Institute for the establishment on its premises the Aula Cervantes in 2011. The Aula offers Spanish language classes to university students and to the public in general and it also organizes the DELE examinations in collaboration with the Cervantes Institute.

The University of Cyprus has been aiming in attracting more international students. This effort has been successful, as in the last few years there has been an increase in the number of international students at the University, due to the fact that more programmes of study are being offered in English.

**LECTURES/CULTURAL ACTIVITIES**

The University of Cyprus organises public lectures and other events with focus on issues of scholarly, scientific, cultural as well as on topics of wider interest. Furthermore it organizes exhibitions, concerts, prize awards and other activities open to the general public, such as the Annual Lecture in memory of Ntinos Leventis, the Conferment Ceremonies of Honorary Doctorates and the Graduation Ceremonies.

The institution cooperates with many cultural organizations, local authorities, and others to promote culture, both for the benefit of the academic community and the students, as well as for society at large.

The University, in cooperation with Larnaca Municipality, operates the Zenonion Free University. The Free University
Scheme also covers Limassol (in cooperation with the Municipality of Famagusta), Pafos (the Ierokipion Free University in cooperation with the Municipality of Yeroskipou) and the Cypriot Diaspora in London. In October 2011 the University established the Salaminio Free University of Famagusta in cooperation with Diocese of Constantia in Paralimni. In 2012 the Pyrgos Tillyrias Free University and the Free University of the Occupied Municipalities of Keryneia opened its doors to a new audience. In 2013 the Free University of Troodes was established in cooperation with Agros, Evrychou, Kyperounta and Kakopetria.

The University has already made a dynamic impact on the cultural and intellectual life of Cyprus. Its contribution is growing as the programmes of teaching and research are expanded.

**PUBLICATIONS**

In order to provide comprehensive information to the public, the students and prospective students as well as the international academic community, the University of Cyprus provides a wide range of publications. The majority of the publications are produced by the Publications Office of the Research and International Relations Service. These include the Undergraduate and Postgraduate Prospectuses in Greek and English, publications on research activity, the University’s Annual Report, informational leaflets and other material. The University’s magazine “Endeiktis” is published every six months and, the newsletter “Koinotita” is published every two months. The Alumni Relations University magazine “Apofoitos”, is issued every six months.

A substantial number of research and information publications are produced by the University’s services and other entities of the University, such as the Promotion and Development Sector, schools, departments, research units, etc.

The Cyprus University Publications form another aspect of the publishing activity of the University. The University of Cyprus, in collaboration with Ellinika Grammata (Mesogeios Press) of Greece, has published 18 books in the areas of literature, science and art. Since May 2010, the Cyprus University Publications have been collaborating with Gutenberg Publications. In addition to the six books published by the Cyprus University Publications in 2011 and 2012 in cooperation with Gutenberg Publications, five books were published independently by 2013. Additionally, the Publications Office reproduces Cyprus University Publications books in e-book format. These books cover an array of topics including children’s literature, poetry, philosophy and history, etc.

**CULTURAL CENTRE**

Pursuing its commitment to promote culture, the University of Cyprus has established a Cultural Centre under the Faculty of Letters, which is located at Axioteas Street, in the historic centre of Nicosia. Carefully restored by the Department of Antiquities, the Centre’s building, an old mansion, serves as the home of the University’s cultural activities.

The Centre houses the University of Cyprus Theatrical Workshop, which brings together students, but also members of the academic and administrative staff, alumni, friends of the arts, artists, etc. The Workshop strives to upgrade theatre activities within the University and contributes to cultural life in Cyprus by staging Medieval and Renaissance works focusing on peripheral Hellenism.

The Axioteas Mansion is also the venue for the Cultural Festival of the University of Cyprus, an international event which is organised twice a year and focuses on Mediterranean culture, dance and music. With its rich and varied programme, which includes concerts, theatre and dance performances, exhibitions and lectures on different subjects, the University’s Cultural Centre has earned a reputable place on the cultural map of Cyprus.
Fees
For Cypriot students and students admitted from EU countries total €1,709 per semester and they are paid by the State. The fees for foreign students total €3,417 per semester.

Pancyprian Examinations
Admission for the majority of the students that enter the University of Cyprus is based on the Pancyprian Examinations set by the Ministry of Education and Culture of the Republic of Cyprus.

Eligibility
Those eligible to participate in the examinations are Cypriot citizens or those with at least one parent of Cypriot origin. Prospective students must have graduated from a six-year high school, and have completed the necessary application forms within the time limits set by the Ministry of Education and Culture.

Additionally, students who are studying in the final year or have graduated from upper secondary schools (upper secondary level), operating legally in a foreign country, provided that the Leaving Certificate which is going to be acquired or which has already been required, entitles admission to respective Institutions of Higher Education of that country.

Moreover, EU nationals and third country nationals who are studying in the final year or have graduated from a public or private upper secondary school (upper secondary level) in Cyprus recognized and registered by the Ministry of Education and Culture, are eligible to participate in the Pancyprian Examinations.

Right to claim and hold a position at the University of Cyprus
The candidates who take all the papers belonging to the Department they apply have the right to claim a position at the University of Cyprus. For male candidates who secure a position at the University of Cyprus and cannot attend due to their service in the National Guard, their entry is deferred for the academic year that begins after their release from the National Guard.

Undergraduate Studies
The Undergraduate Programmes of Studies at the University of Cyprus are based on the European Credit Transfer and Accumulation System (ECTS). According to the analytical academic programmes of the various departments both B.A. and B.Sc. degrees require the completion of at least 240 ECTS. The 240 ECTS include credit units from three or more elective courses (not included in the student’s specialisation) which should be taken from two or three different faculties of the University depending on the department. All undergraduate programmes require two or three courses in a foreign language. The student’s performance in the foreign language is included in the average mark.

The academic year comprises of two semesters. Eight semesters are normally required for graduation, but in special cases the duration of studies may be extended to a maximum of twelve semesters. Additional courses are also offered during the Summer Semester. Attendance is compulsory. The languages of instruction are Greek and Turkish (the official languages as stipulated by the Constitution of the Republic of Cyprus). In the Department of English Studies, the Department of French Studies and Modern Languages and the Department of Turkish Studies classes are taught in English, French and Turkish respectively.

Each year around 1,500 undergraduate students enter the University of Cyprus. Today there are approximately 5,300 undergraduate students. (See Chapter II for more information).
Registration
Those who secure a position at the University of Cyprus must complete a special application form to be submitted along with other documents according to instructions issued during notification of results.

Admission by Special Criteria (Pancyprian Examinations)
Candidates who take the Pancyprian Examinations and who meet specific special criteria set by the Regulations and Rules for Studies and Student Affairs, can claim for a limited number of positions (up to 14% of the Cypriot applicants). These positions are offered to candidates who belong to families with special circumstances (e.g. children of disabled parents due to acts of war, children of missing persons, persons living in the occupied area of the country, etc), candidates with disabilities (e.g. quadriplegics, paraplegics, blinds, etc) and candidates belonging to other special categories (e.g. athletes with distinctions, parents of underage children, etc). Admission is open only to candidates who achieve a certain minimum grade at the Pancyprian Examinations.

Admission by International Examinations (GCE, International Baccalaureate or other equivalent examinations)
Cypriots belonging to the Religious Groups of the Republic of Cyprus (Armenians, Maronites, Latin), Cypriots with dual citizenship, repatriated Cypriots, Cypriots who are permanent residents in other countries, children of foreign service officers of Cyprus, Greeks of the Diaspora, EU nationals and non EU nationals can claim a limited number of positions (3% of the admitted Cypriot students) based on GCSE/GCE, International Baccalaureate or other equivalent examinations.

For further information please visit the website of the Academic Affairs and Student Welfare Service at www.ucy.ac.cy/fmweb.

Entrance Examinations by the Ministry of Education in Greece
A limited number of positions (10% of the total number of admissions) are offered to candidates that participate in the entrance examinations set by the Ministry of Education of Greece. The candidates must fill in the application form of the University of Cyprus and the positions are offered to them according to their results in the entrance examinations. These examinations can also be taken by Cypriots residing in Greece.

Turkish Cypriots
Turkish Cypriots who hold a six-year high-school Leaving Certificate or who succeed in special written or oral examinations organised by the Departments, are eligible for admission to the University of Cyprus.

Candidates with excellent athletic distinctions and distinguished in the International Olympiads
Athletes with top honors set by the Sports Council and distinguished candidates in the International Olympiads (e.g. Mathematics, Computer Sciences, Biology, etc) conquest of first, second or third place, may enter the University of Cyprus with their Leaving Certificate and without examinations. For any further information, please contact the Academic Affairs and Student Welfare Service.

REGULATIONS OF UNDERGRADUATE STUDIES
Copies of rules and regulations on matters of studies and student life, and copies of the laws and regulations ratified by Parliament are available at the Information Office of the Academic Affairs and Student Welfare Service, the Student Union office and at the Academic Affairs and Student Welfare Service’s website at www.ucy.ac.cy/fmweb.

Postgraduate Studies
The University of Cyprus now offers graduate programmes at the levels of Master (M.A., M.Sc. and M.Eng.) and Doctor of Philosophy (Ph.D.), based on course work and dissertation or thesis, respectively. There are approximately 1,700 postgraduate students.

Graduate studies are offered according to the Graduate Studies Regulations, the main provisions of which are listed below:

Entry Requirements
• University education in a relevant degree
• Letters of recommendation
• Personal interview, at the discretion of the department
• Written examination, at the discretion of the department

Requirements for the Master Degree
• Attendance for a minimum of three semesters. The period of study may be extended up to four academic years.
• Successful completion of a minimum of 90-120 ECTS at the graduate level, in accordance with the provisions of the relevant programme of studies (75 ECTS for professional programmes or more than 120 ECTS if the programme includes practical exercise).
• Fulfilment of other criteria set by the department, which may include the submission of a dissertation.

Requirements for the Ph.D.
• Attendance for a minimum of six semesters. The maximum period of study is eight academic years.
• Successful completion of 240 ECTS of which a minimum of 60 ECTS must be in courses at the graduate level, in accordance with the provisions of the relevant programme of studies. Candidates holding a Master Degree or the equivalent are partly or fully exempted from this requirement.
• Success in a comprehensive examination in the sixth semester of studies at the latest.
• Submission of an original dissertation constituting an important contribution to a particular discipline.

Fees
The University of Cyprus has decided to reduce the tuition fees of postgraduate programmes by 20% starting from the academic year 2013/2014. The reduction of the fees does not apply to self-funded postgraduate programmes. The fees for these programmes remain as before (MBA programme, Gender Studies, School Counselling and Guidance and Petroleum Engineering). The reduction of 20% is included in the following fees.

Master’s Degrees
- Master Programmes: €4,100 per programme
- Master in Business Administration (MBA): €10,250.
- Master in Petroleum Engineering: €8,000
- Master in Gender Studies: €5,125
- Master in School Counselling and Guidance: €5,125
- In addition to graduate tuition, a clinical practicum fee of €1,000 is charged in the Applied Programme in School Psychology in order to cover expenses for clinical supervision services provided by Registered Professional Psychologists (it applies for those students registered as from the academic year 2013-2014).

Doctoral Degree
- Holders of Master’s Degrees: Total Fees €3,200
- Non-holders of Master’s degrees: Total fees €5,200 provided they fulfil the requirements of their programme and acquire the Ph.D. title within six years (12 semesters). Each year of study beyond the six years, with a maximum duration of 8 years (16 semesters) corresponds to tuition fees of €1,200 each year (€500 per semester) (Maximum tuition fees are €7,200).
- Tuition fees for the PhD programme in Gender Studies: €4,000–€9,000
- In addition to graduate tuition, a clinical practicum fee of €1,000 is charged in the Applied PhD level programme in Clinical Psychology in order to cover expenses for clinical supervision services provided by Registered Professional Psychologists (it applies for those students registered as from the academic year 2013-2014).

Further information on postgraduate studies can be obtained from the secretariats of the relevant departments or the Graduate School.

STUDENT SERVICES
All students are assigned an Academic Advisor who assists them in academic matters. The Academic Affairs and Student Welfare Service is responsible for registration, documentation, accommodation, student clubs, information on graduate studies and employment.

Orientation of New Students
At the beginning of the academic year, the Academic Affairs and Student Welfare Service provides extensive briefing to new students regarding the various departments and programmes of study, the services that are available to students, study regulations, the rights and responsibilities of students, etc. Students are introduced to the staff of the Academic Affairs and Student Welfare Service and their Academic Advisors. They are also given material relevant to their studies and life at the University of Cyprus. Overseas students and students from Greece are offered a sightseeing tour of Nicosia and a welcome reception.

Information Office
The Information Office provides information on all student issues including studies, housing, welfare, counselling, career, sports, etc. The information is provided by phone and by email (fm@ucy.ac.cy). The Office provides students with various information handouts, transcripts, certificates and application forms regarding financial aid, exemption from military obligations, change of major degree, housing, etc.

Careers Office
The Careers Office aims to be the link between the University of Cyprus students with the labour market and their postgraduate studies.

The connection with the labour market is mainly realised through the organization of various events like the annual Career Day, company presentations and recruiting days, public discussions on current issues, an internships programme and much more. Furthermore, the Careers Office publishes a newsletter called Career and Studies that includes a section with vacancies for both students and graduates of the University of Cyprus. Graduates can also
send their CV which will be forwarded to interested employers.

Moreover, the Careers Office organizes throughout the year various seminars and workshops on relevant topics like “Preparing the CV and the Accompanying Letter”, “Personal Statement Preparation”, “Improving Communication Skills”, etc. Last but not least, the Careers Office offers information on postgraduate studies abroad, scholarships and funding sources. It also demonstrates ways of online searching via certain websites, informs students for contact details of universities worldwide and distributes written material that helps students make an informative decision.

Employment Opportunities
The University has a limited number of positions available for student employment. The Careers Office informs students of temporary positions both within and outside the University. Graduate assistantships are sometimes available, depending on individual department needs.

Counselling and Psychological Support Services
The University provides free of charge counselling and psychological support services for all its students through the Office for Psychological Support. The primary aim of this service is to contribute to the personal development and well-being of students, so as to enable them to maximize their experience during the course of their studies and benefit from acquired skills and knowledge later in life.

Services are offered through short term individual or group counselling and psychotherapy sessions. Common concerns for students visiting the Office include anxiety and stress, mood and depression, adjusting to academic life, relationships, losses such as grief or separation, as well as academic difficulties and personal or career decisions. The Office for Psychological Support also organizes presentations, workshops and discussions on current issues, launches prevention and sensitization campaigns on topics related to psychological health and well-being and it periodically publishes and disseminates relevant informative material in print or through its website.

Financial Aid
The Social Support Office of the Academic Affairs and Student Welfare Service provides guidance on financial problems. Students with very serious financial problems may be subsidised by the Student Welfare Fund. The Fund is supported financially by the University of Cyprus as well as external contributions and donations.

Services for Students with Special Needs
Students with special needs are treated as equals to all other students, whilst every effort is made to offer practical solutions to their specific problems, such as access to University facilities, or assistance on academic issues.

Student Accommodation and Catering
The University of Cyprus began operating a number of student dormitories (208 bedspaces) on the new campus in September 2003. For information regarding the cost and criteria for campus accommodation/other details, students may contact the Housing Office of the University.

Due to the limited number of bedspaces available on campus, the Housing Office maintains a list of flats and houses for rent. This list is available on a weekly basis, during the academic semesters. Rent for a one-bedroom flat is approximately €400 - €500 per month, for a two-bedroom flat €480 - €600 per month, and for a three-bedroom flat €600 - €770 per month. The University has many restaurants and canteens that operate on commercial terms but with controlled prices. There are also many small private restaurants located near the University. Living expenses are estimated at between €700 - €1,000 per month, including rent.

Accommodation for Erasmus Students
Erasmus students attending classes at the University of Cyprus are accommodated in single rooms in the campus dormitories or in furnished apartments near the main campus or near the new campus. Erasmus students should inform the Housing Office of their accommodation needs by June 15 for the Fall Semester and by November 15 for the Spring Semester.

Services for Greeks and Greeks of the Diaspora
Six scholarships (€3,845 each) are awarded by the Cyprus Government to Greek students based on their examination results. Furthermore, the State offers meal coupons every semester to students who are Greek citizens or Greeks of the Diaspora. The coupons are equivalent to €7 each and they are valid on weekdays at the University restaurants. They are given to students by the Social Life Office at the beginning of each semester.

Health
Cypriot students enrolled in the University are entitled to free medical and pharmaceutical care at all public hospitals on presentation of their student identity card. Students from EU member states are also eligible for free medical and pharmaceutical care at all public hospitals on presentation of their Eurocard.

There are two (2) Health Centers at the University: one is located at the University campus on Kallipoleos Avenue and the other is located at the new University campus. The Health Centers provide information and advice on health issues, and offer first aid and nursing services. They are open
to all students as well as the wider university community. The Centers cooperate with the Ministry of Health and other government and semi-government services. For more information on the Centers, including contact information and working hours, click onto the link below. http://www.ucy.ac.cy/goto/hure/el-GR/kentra_ugeia.aspx.

STUDENT LIFE

Student Union
The Student Union of the University of Cyprus was founded in 1993. Its highest body is the General Assembly and its executive body is the Administrative Council, which has 21 members elected annually by its members. Every student becomes a member of the Student Union upon registration. The Student Union is represented in all Governing Bodies (Council, Senate, Departmental and Faculty Boards).

It has a record of rich and varied activity, guided by the struggle for reunification of Cyprus and its people, peace and democracy, student problems and socio-cultural needs. Activities are directed to both its members and society at large.

Sports
In order to encourage the University community (students and personnel) to participate in sports activities, a wide variety of activities is offered and the opening hours of the sports facilities have been extended as below:

• Daily, from 07:30 to 22:00 and on Saturdays from 10:00 to 16:00

The Sports Centre recognizes that sports is a broad term and that different people want and expect different things from a sports programme. In response to this, the sports programme has been divided into several broad categories, as follows:

Recreational Sports
This group of activities is for people who want to improve their overall level of physical fitness. The aim of the University is to make sports an inseparable part of university life.

Internal Championships
Internal championships are open to the entire University community (undergraduate and postgraduate students, academic and administrative personnel). Emphasis is placed on participation as much as winning. They offer a way to improve overall physical fitness, they develop skills and techniques in a variety of sports, and they are fun.

International regulations apply to all matches/competitions. The University appends its own, stricter regulations related to discipline, since the Sports Centre respects and enforces Olympic principles.

All games are moderated by referees from official sports associations in Cyprus. The Sports Centre is fully responsible for the organization and supervision of all matches/competitions.

Competitive Sports
This programme is designed for those who take sports more seriously and for those who wish to compete as members of the University teams. Experienced coaches oversee the training of these teams. University teams participate in the following competitions:

• Cyprus Association of University Sports Championships
• International Tournaments in Cyprus and abroad
• Pan-Hellenic Championships (EATE)
• European Championships (EUSA)
• World Championships (FISU)

Sports and the Community
Sports has very rightly been called the greatest social phenomenon of the 20th century. It is in this spirit that the Sports Centre hopes to make its contribution to Cypriot society at every opportunity available.

Student Sports Clubs
This academic year, the University of Cyprus will offer the following basic Student Sports Clubs:

1. Squash
2. Futsal
6. Table Tennis
7. Trampoline
There following programmes, operate on a seasonal base:

1. Skiing
2. Scuba Diving
3. Windsurfing
4. Rowing
5. Water Ski
6. Any other sport which can serve the philosophy of the programme

The above programmes are only open to students; the University community is not eligible to participate.

Elective Sports Courses
The following elective sports courses to the educational programme were added:

1. Volleyball
2. Football
3. Tennis
4. Badminton
5. Basketball
6. Weight Lifting
7. Aerobics
8. Handball
9. Judo
10. Lifelong Fitness

University of Cyprus Radio Station

UCY Voice, the radio station of the University of Cyprus, was established in order to promote the work of the Institution, to provide information to the members of the university community and to give voice to the students. It broadcasts on the frequency 95.2 fm and from the website at www.ucy.ac.cy/ucyvoice.

All members of the university community - students, professors, alumni and administrative staff - can become radio producers at UCY Voice. Everyone is offered the opportunity to learn the techniques of radio production and produce their own shows.

Studios are fully equipped with modern and professional sound equipment. UCY Voice broadcasts on a 24-hour basis and its programmes cover the spectrum of information and entertainment with informative, musical, cultural, sports and other programmes. The University's aim is the development of students' creativity, the cultivation of free speech and thought and the establishment of UCY Voice as a means of free expression.

Student Clubs

There are 28 student clubs at the University of Cyprus, involved in educational, cultural, artistic and entertainment activities. Students wishing to form a club must draft a statute, which must then be approved by the University authorities. The “Club Evening” is a yearly event organised by the clubs' coordination committee at which students have the opportunity to learn about the activities of the various clubs from their representatives and can register in the clubs of their preference.

The Student Life Office offers support in the formation and functioning of the clubs. There are also periodic workshops related to administrative and communication matters which aim to develop leadership abilities and improve communication and administrative skills.

List of Clubs

- Archaeological Club
- Art
- Cyprus Association for Special Education
- Dance
- Environmental
- European Club
- Experimental Workshop of Creative Expression
- Film
- IEEE
- Journalists
- Karate
- Music
- Orthodox and Hellenic Tradition
- Photoclub
- Psychology
- Sailing
- Scouting and Survival
- “Terpsichorian” Music Group
- Theatre
- RC Models
- Fencing
- Sociology
- Chess Club
- Cycling
- Volunteer

ERASMUS+ PROGRAMME (2014-2020)

Erasmus+ is a new European programme that targets Education, Training, Youth and Sports. This new programme, effective as of January 2014, replaces a number of European programmes that have been operating at UCY within the framework of 2007-2013: the Lifelong Learning Programme, the Youth in Action Programme, Erasmus Mundus and Tempus Programmes.

The Erasmus+ Programme continues to support activities in all areas of Lifelong Learning (primary, secondary, tertiary, adult education, and vocational education and training), as well as youth and sports activities. It has an enhanced focus on student and educator mobility, reform of overlapping programmes and greater cooperation with non-EU countries in the field of education. It is open to all European students, trainees, teachers, trainers and youth. EU grants for education or training abroad will benefit up to 5 million persons during the period 2014-2020.

The Erasmus+ Programme comprises the following Key Actions:

a) Key Action 1: Learning Mobility for individuals (students, teachers)
b) Key Action 2: Co-operation for innovation and improved performance
c) Key Action 3: Support/Assistance for policy reform
For further information on the ERASMUS+ Programme, please contact the ERASMUS Institutional Coordinator, Dr Gregory Makrides, Director of the Research and International Relations Service (e-mail makrides.g@ucy.ac.cy, tel. +357 22894288 and erasmus@ucy.ac.cy).

**Other Student Exchanges**

Within the framework of Bilateral Agreements of Cooperation, signed between the University of Cyprus and other institutions, students have the opportunity to study abroad at collaborating universities.

For more information on the Exchange Programmes and ECTS, please contact the Mobility Support Office of the Research and International Relations Service (erasmus@ucy.ac.cy).

**SCHOOL OF MODERN GREEK**

The School of Modern Greek of the University of Cyprus was established in 1998 to provide courses in Modern Greek as a second/foreign language.

The School's programmes, which also include aspects of Greek culture and civilization, are targeted to adults and non-native speakers of Greek from within or outside the academic community: academic and administrative staff of the University of Cyprus, foreign students, exchange students but also foreign nationals who live or work in Cyprus and would like to learn Greek or improve their language skills.

The School offers classes in five levels (six levels from January 2014) organised into three courses: non-intensive (one academic year, six hours per week), intensive (one semester, fifteen hours per week) and intensive summer course (four weeks, twenty five hours per week). In addition, the School offers Greek language courses tailored to specific needs (e.g. for members of the Cypriot or Greek diaspora), special externally funded programmes (e.g. for asylum seekers), as well as seminars for teachers of Greek as a second/foreign language.

Upon successful completion of their chosen course, which entails regular class attendance and completion of an oral and a written exam, students are awarded a certificate. Language proficiency acquired upon completion of Level 3 (advanced) (B2 from January 2014) of the School's programme is recognised by the Republic of Cyprus for employment purposes in the public administration.

The Greek language courses offered to exchange students account for 9 or 12 ECTS depending on the duration of the programme. All students enrolled in the School of Modern Greek are entitled to use the Library, the Computer Centre and the sports facilities of the University of Cyprus.

The School of Modern Greek is located at 75, Kallipoleos Avenue, Nicosia.

**PETRONDAS INSTITUTE OF MODERN GREEK STUDIES**

Since 2010, the Petrondas Institute of Modern Greek Studies has been functioning as a study and research centre of Modern Greek literature. It is situated in 30 Nikodimou Mylona street (3rd floor) in an apartment donated by Christos and Eugenia Petrondas. The objectives of the Institute are the systematic research of Modern Greek literature within both the temporal and geographical spectrum, as well as the study of intellectual activity of the Greek communities in Egypt. Some of the Institute’s specific goals concern the international promotion of Greek-Cypriot culture, providing incentives to young scholars for the study of Greek and Greek-Cypriot cultural production, as well as the cooperation with international academic institutions, and the constructive intervention in Cypriot society. Furthermore, a library is also hosted by the Institute, containing archival material. The Institute is open to researchers. Professor Pantelis Voutouris is the Director of the Petrondas Institute.
Faculties & Departments
The University consists of six Faculties and two Schools:

* The Faculty of Economics and Management
  * with three departments, the Economics Research Centre and the Centre for Banking and Financial Research.

* The Faculty of Engineering
  * with four departments, the Nanotechnology Research Centre, the International Water Research Institute “NIREAS”, KIOS Research Center for Intelligent Systems and Networks and the Research Centre for Sustainable Energy.

* The Graduate School

* The Faculty of Humanities
  * with three departments and the Language Centre.

* The Faculty of Letters
  * with three departments, the School of Modern Greek, the Petrondas Institute of Modern Greek Studies and the Archaeological Research Unit.

* The Medical School

* The Faculty of Pure and Applied Sciences
  * with five departments, the Molecular Medicine Research Centre and the Oceanography Centre.

* The Faculty of Social Sciences and Education
  * with four departments, the Centre for Applied and Neuroscience and the Centre for Gender Studies.

The list of departments and their related degrees can be found on pages 24-25. Detailed description of the programme of studies as well as information on the goals and activities of each department can be found on pages 27-284.
## Programmes of Studies

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<td>SOCIAL AND POLITICAL SCIENCES</td>
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<td>PSYCHOLOGY</td>
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FACULTY OF HUMANITIES
Dean: Niyazi Kizilyürek
Deputy Dean: Kleanthes K. Grohmann

DEPARTMENT
ENGLISH STUDIES
FRENCH STUDIES AND MODERN LANGUAGES
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FACULTY OF ECONOMICS AND MANAGEMENT

• Department of Accounting and Finance
• Department of Business and Public Administration
• Department of Economics
Introduction

The current business environment is rapidly changing: markets are becoming increasingly global, organizations are merging, restrictions on trading transactions are being lifted and competition is becoming more intense. Information technology has created an innovative environment that facilitates the delivery of a new range of services, the direct exchange of information, and the execution of transactions and agreements. In recent decades, developed countries have shifted their business focus from manufacturing to services, while less developed economies are also changing focus as they attempt to fill the resulting gap in manufacturing. The recent economic crisis has affected the services sector and, even more severely, the financial services industry. The legal, business and economic environments of all countries have been affected by this economic crisis.

In these challenging times, only those managers with the ability to anticipate, understand and effectively adapt to the challenges and demands of today’s business environment will be able to lead their organizations to success. Those who fail to act or fail to respond to these challenges will expose their organizations to various risks, including their own survival. The ongoing economic crisis of the last decade has revealed the importance of redefining business values and the need to adhere to strict ethical codes in order to regain investor confidence.

Given the challenging environment that businesses and other organizations are currently facing, the Department of Accounting and Finance (AFN) aims to provide students with the skills and knowledge necessary to begin and then advance their careers leading their organizations to financial success. The Department offers a comprehensive curriculum, one that gives students broad knowledge in the diverse areas of business administration as well as specialized in-depth knowledge in the disciplines of Accounting and Finance. The curriculum of the Department combines internationally accepted principles of business administration with knowledge of the local business environment in Cyprus and the wider region, and emphasizes the importance of information technology as a tool for implementing the tactical and strategic objectives of organizations.
of an organization. The curriculum is similar to programs offered at prominent universities in Europe and North America.

**OBJECTIVES OF THE DEPARTMENT**

The main objective of the Accounting and Finance Department is to:

Take a leading role in the fields of Accounting and Finance, both in Cyprus and the wider region, and to achieve international recognition as a valuable research center in regard to these areas.

This objective will be achieved through systematic effort in three directions:

(a) Providing students with an integrated academic and scientific education that will enable them to excel in their professional environment.

(b) Supporting high-calibre research that is of international merit.

(c) Disseminating knowledge to the wider society by organizing educational seminars and other programs.

**ACADEMIC MISSION**

The curriculum of the Department offers a broad education in the various fields of business administration and specialized in-depth education in the disciplines of Accounting and Finance. For each of these disciplines, the Department offers separate undergraduate degrees.

The breadth courses of the Department provide students with a comprehensive understanding of business operations. These courses cover a wide range of fundamental knowledge and provide the basis for advanced study in either of the two core disciplines offered in the Department. Students will learn critical and analytical thinking skills as well as quantitative and computational methods, both of which are necessary to solve theoretical and practical problems. Such skills are essential in the modern business environment.

The study of Mathematics, Statistics, Computer Science and Economics is an essential preparatory part of the curriculum. Students are also required to select a certain number of elective courses from other Faculties, which will allow them to broaden their knowledge. Furthermore, during the last two semesters, students may choose to write a thesis, which will involve either original academic research work or collaboration with a private or public organization to solve practical problems.

Undergraduate students have access to all computer laboratories of the University, including the Faculty of Economics and Management’s specialized computer lab, which is equipped with state of the art equipment and is connected to a fast communication network. Computers are equipped with all the software students may require.

In addition, the Department has ensured that the University Library carries all major international scientific and professional journals and books in all fields of Business and Public Administration. The Library subscribes to an extensive collection of international financial and accounting databases (e.g., Datastream, CRSP, Compustat, Global Vantage), which is available to students throughout their studies.

Graduates will have acquired the tools and knowledge they need to secure employment in leading management positions in a variety of organizations in Cyprus or abroad. More specifically, our graduates will be qualified for employment in the following sectors: banking, securities, and insurance sectors, accounting and auditing firms, manufacturing and retailing, tourism, utilities and various public sector services. The University’s international recognition, and that of the Department of Accounting and Finance in particular, will be invaluable to students who wish to explore opportunities abroad, whether in internships or more permanent employment.

Most important, graduates of the Department of Accounting and Finance may also acquire certain professional qualifications in Finance (Certified Financial Analyst) and/or in Accounting, such as those for Chartered or Certified Accountant, as the Department offers analogous professional courses. The Department’s commitment to academic excellence is reflected in the exceptionally high success rate of our graduates in these professional exams. Finally, the Department’s graduates can continue their studies at the graduate level, either at the University of Cyprus or recognized academic institutions abroad. Many graduates of the Department have successfully completed postgraduate studies in prominent universities in Europe and North America. The Department also offers graduate programs (MSC, PhD) in Finance, an MSC in Financial Economics in cooperation with the Department of Economics, and a postgraduate degree in Business Administration (MBA) in cooperation with the Department of Business and Public Administration. The MBA Program is offered both on a part-time and full-time basis, and the language of instruction can be either English or Greek.

**SOCIAL MISSION**

The Department disseminates knowledge to society at large by organizing a series of lectures featuring topics of local or international interest, and presented by University faculty members, distinguished guests and personalities from the business world. The Department also encourages and supports activities initiated and organized by their
students. The Department actively supports the Investment Society, which is funded by the Cyprus Chamber of Commerce and Industry (CCCI).

Our students are eligible to participate in the ERASMUS program, which is funded by the European Union. Students in their second, third and fourth year (only in the penultimate semester) are eligible to participate in these programs, which permit them to study abroad for up to a year in European universities. Relevant courses successfully completed abroad can be used to satisfy the Department’s degree requirements, subject to approval of the Departmental Council. Also, Erasmus participants may receive financial support to help cover part of the expenses incurred abroad. The selection of students for participation in these programs is on a competitive basis. Currently, the Department maintains educational exchange agreements with universities in Greece, Italy, Malta, Belgium, Austria, Spain, Portugal, Germany, Switzerland, the United Kingdom and Poland. Negotiations are underway for similar agreements with other European universities.

**UNDERGRADUATE PROGRAMMES**

The undergraduate program of the Department integrates broad knowledge of the business enterprise with in-depth knowledge in the area of concentration. Undergraduate degrees are currently offered in the following specializations:

- Accounting
- Finance

All students in the Department generally follow the same curriculum for the first two years. These are introductory courses in various disciplines and key courses in Business Fundamentals, and are designed to provide a general education and the necessary background for further in-depth study in one of the above areas of specialization. The primary objective of the program is to give students the critical thinking and analytical skills as well as the quantitative and computational methods and techniques necessary for situations requiring problem-solving.

By the end of the fourth semester, students will have developed a broad understanding of business education—such that they can make an informed choice of an area of specialization that suits their interests and career objectives. In the last two years, the program requires that the student take advanced courses in the selected specialty (Business Depth). At the same time, students will consolidate and extend their knowledge by selecting courses from other disciplines in the Faculty of Economics and Management (Business Breadth). At this time too, students will choose their electives from other Faculties of the University, further broadening their education. In their final year of study, students are offered the option of pursuing an independent research study under the supervision of professors in the Department.

To earn a Bachelor degree, students must complete 240 ECTS (European Credit Transfer System) units. The requirements are summarized below:

- **English Language (15 ECTS)**
  Three courses

- **General Education (38 ECTS)**
  Six courses (Economics, Mathematics, Statistics and Computer Science)

- **Free Electives (20 ECTS)**
  Three to five courses outside the major area of study from at least three Faculties of the University

- **Business Fundamentals (57 ECTS)**
  Nine courses in various business disciplines (from the Department of Accounting and Finance and the Department of Business and Public Administration)

- **Business Breadth (42 ECTS)**
  Seven third- and fourth-year courses, outside the student’s area of concentration, from the Faculty of Economics and Management

- **Business Depth in Accounting or in Finance (54 ECTS)**
  Nine courses in one of the two areas of concentration offered by the Department

- **Capstone Courses (13 ECTS)**
  Two mandatory courses in business strategy and business ethics

- **Optional Senior Thesis (12 ECTS)**
  Instead of taking two higher level courses from the Department (one breadth and one depth) during the last two semesters of studies, students may opt to undertake a substantial piece of independent research work. This option is available only for students with a minimum GPA of 7.

**Accounting**

The academic program adheres to standards matching those of leading universities in Europe and North America. The primary aim of the program is to equip students with the skills, knowledge and expertise in accounting, auditing, tax, finance and commercial law for rational decision making in the constantly changing international economic and business environment. The degree in Accounting is accredited by international professional bodies such as the Institute of Chartered Accountants in England and Wales (ICAEW), and the Association of Chartered Certified Accountants (ACCA). The program successfully provides graduates with up to eight (8) exemptions from the professional title of the ICAEW, and up to nine (9)
exemptions from the professional qualification of ACCA. Graduates of the Department have repeatedly excelled in these examinations. In the ICAEW examinations in particular, our graduates have won more than 10 global awards in the last five years (for example, first Worldwide Award - Professional Stage overall and other first Professional Stage global awards in auditing and tax courses as well as Advanced Stage global awards).

The degree in Accounting provides excellent training for a successful career in auditing firms, particularly in accounting, auditing and taxation, as well as in banks, semi-government, public and other private organizations. Moreover, many local auditing firms offer our students opportunities to apply and enhance their knowledge during the summer months through internships. Our graduates will have the qualifications and skills necessary to continue their studies in graduate (Master or PhD) programs. Of our past graduates, a number elected to continue their studies at leading universities in the United Kingdom and North America.

Students who elect to pursue a degree in Accounting, will broaden their knowledge in accounting and related areas in the last two years of their studies as follows:

A. Depth Requirements in Accounting (9 courses)
(i) Nine courses are required in this area, six of which are obligatory. These are:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>AFN 311</td>
<td>Financial Reporting II</td>
<td>AFN 111</td>
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<td>AFN 312</td>
<td>Management Accounting II</td>
<td>AFN 211</td>
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<td>AFN 318</td>
<td>Principles of Auditing</td>
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<td>AFN 319</td>
<td>Principles of Taxation</td>
<td>AFN 111</td>
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<td>AFN 411</td>
<td>Business Analysis</td>
<td>AFN 111</td>
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<tr>
<td>AFN 418</td>
<td>Financial Reporting III</td>
<td>AFN 311</td>
</tr>
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</table>

(ii) The remaining three courses may be chosen from the accounting Depth Electives offered at the time of selection. Courses from the Finance specialism are also acceptable, upon approval by the Academic Advisor. At present the department offers the following accounting electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AFN 415</td>
<td>Contemporary issues in Accounting</td>
</tr>
<tr>
<td>AFN 417</td>
<td>Auditing II</td>
</tr>
<tr>
<td>AFN 419</td>
<td>Taxation II</td>
</tr>
<tr>
<td>AFN 414</td>
<td>Oil &amp; Gas Accounting</td>
</tr>
</tbody>
</table>

B. Breadth Requirements in Accounting (7 courses)
(i) Seven courses are required to be taken, two of which are obligatory:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AFN 314</td>
<td>Commercial Law</td>
</tr>
<tr>
<td>PBA 346</td>
<td>Quantitative Methods II</td>
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</tbody>
</table>

(ii) Three Breadth Courses must be selected from the following list, out of which at least two must be from the Finance Specialism:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AFN 321</td>
<td>Corporate Finance II</td>
</tr>
<tr>
<td>AFN 322</td>
<td>Investment and Portfolio Management</td>
</tr>
<tr>
<td>AFN 325</td>
<td>Options, Futures and Risk Management</td>
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<tr>
<td>BPA 434</td>
<td>Entrepreneurship</td>
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<tr>
<td>BPA 447</td>
<td>Quantitative Methods in Management III</td>
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<tr>
<td>ECO 316</td>
<td>Economics of the European Union</td>
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</tbody>
</table>

(iii) The remaining two breadth courses may be selected from the above list of courses or from courses outside the Accounting specialism offered by other Faculties of the School of Economics and Management.

Optional Thesis: Students with a GPA of 7 or higher may elect to undertake a Thesis in lieu of a Breadth Course and a Depth Course from the requirements shown above.

Finance
Specialization in Finance focuses on consolidating the student’s knowledge of the theoretical framework and analytical methods required for successful financial decision-making under conditions of uncertainty prevailing in the complex, competitive and globalized business environment. Students with this specialization will develop the skills to undertake financial activities (in relation to capital markets, investment decisions and risk management) in a wide range of organizations, including banks, insurance companies, brokerage firms, portfolio management agencies, industrial firms, commercial firms and government agencies (such as the Central Bank and the Ministry of Finance). Students will also acquire the knowledge and skills necessary to continue their studies at the postgraduate level (Master, PhD) or earn professional certifications such as the CFA (Chartered Financial Analyst).

Our students who have graduated with a degree in Finance have been admitted to graduate programs at very prominent universities, for example, the University of London School of Economics, Manchester, Warwick, University College London and Southampton, as well as doctoral programs in the United States. Our graduates have also been awarded scholarships from the CFA society to pursue their professional qualifications.
Depth Courses

The undergraduate program in Finance requires successful completion of nine depth/specialization courses (these courses are in addition to AFN222: Corporate Financial Management, which is required of all students in the Department). The following five (of the nine) depth/specialization courses are required for all students who choose to specialize in Finance:

<table>
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<tr>
<th>Prerequisites</th>
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<tr>
<td>AFN 321 Corporate Finance II</td>
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<tr>
<td>AFN 322 Investment and Portfolio Management</td>
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<tr>
<td>AFN 325 Options, Futures and Risk Management</td>
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<tr>
<td>AFN 323 Modern Capital Budgeting</td>
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<td>AFN 421 Financial Policy</td>
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</tbody>
</table>

The remaining four courses are designed to allow students to customize their degree to suit their particular interests, and/or to expand their knowledge of finance topics and application areas beyond their specialized focus. Students who specialize in Finance may choose the remaining four depth courses from the list below (two out of four Finance depth courses may be also replaced by other appropriate courses offered in Accounting or Economics, with approval of the Academic Advisor):

| AFN 324 Bank Financial Management | AFN 222 |
| AFN 411 Financial Statement Analysis | AFN 111 |
| AFN 422 Public Finance | AFN 222 |
| AFN 423 International Financial Management | AFN 322 |
| AFN 424 Financial Modeling | AFN 222 and BPA 241 (or approval by the instructor) |
| AFN 425 Contemporary Issues in Finance | AFN 222 |
| AFN 426 Insurance and Risk Management | AFN 222 |

Breadth courses

| AFN 311 Financial Reporting II |
| AFN 312 Management Accounting II |
| AFN 318 Principles of Auditing |
| AFN 319 Principles of Taxation |
| AFN 415 Contemporary Topics in Accounting |
| AFN 417 Auditing II |
| AFN 418 Financial Reporting III |
| AFN 419 Taxation II |
| ECO 306 International Finance (if AFN 423 not taken) |
| ECO 310 Money, Banking and Financial Markets |

Minor in Accounting

The Department of Accounting and Finance offers a Minor in Accounting for a limited number of students from other departments. This offers students from other disciplines the opportunity to add a business dimension to their degree. The course requirements for this degree are indicated below. Students are required to take ten of the following courses (totalling at least 60 ECTS):

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<tr>
<th>ECTS</th>
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<tbody>
<tr>
<td>AFN 111 Principles of Financial Accounting</td>
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<tr>
<td>AFN 211 Principles of Management Accounting</td>
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<tr>
<td>AFN 222 Corporate Financial Management</td>
</tr>
<tr>
<td>AFN 311 Financial Reporting II</td>
</tr>
<tr>
<td>AFN 312 Management Accounting II</td>
</tr>
<tr>
<td>AFN 314 Commercial Law</td>
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<tr>
<td>AFN 318 Principles of Auditing</td>
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<td>AFN 319 Principles of Taxation</td>
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<tr>
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<tr>
<td>AFN 414 Oil &amp; Gas Accounting</td>
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<tr>
<td>AFN 415 Contemporary issues in Accounting</td>
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<tr>
<td>AFN 416 Business Ethics and Corporate Governance</td>
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<tr>
<td>AFN 417 Auditing II</td>
</tr>
<tr>
<td>AFN 418 Financial Reporting III</td>
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<tr>
<td>AFN 419 Taxation II</td>
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</tbody>
</table>

Finance students can take all exemptions from professional Accounting examinations offered by the Department. Students who are interested in the exemptions should consult their Academic Advisors at the beginning of their third year of study.
COURSE DESCRIPTIONS

Accounting Courses

AFN 111 Principles of Financial Accounting (7 ECTS)
The main purpose of this course is to give students basic accounting knowledge in the framework of the business environment. The course examines issues related to the preparation, presentation, and analysis of financial statements in order to take the appropriate investment, credit, and management decisions. Specifically, the course covers the accounting equation, the accruals concept and adjustment entries, and the preparation of financial statements based on the adjusted trial balance. Topics also include accounting methods for inventories, debtors, cash, tangible and intangible assets, and short and long-term liabilities and capital. Finally, the course covers the preparation of cash flow statements and key financial ratios. The course relies heavily on Accounting Theory and Accounting Principles.

AFN 211 Principles of Management Accounting (7 ECTS)
This course, Management Accounting, will teach students to plan, control, and evaluate business activities, as well as make the appropriate decisions. Topics addressed include basic cost classification and cost behavior concepts, new manufacturing environment and activity-based costing (ABC), use of cost data in cost-volume-profit analysis, budgets, standard costs and variance analysis, accounting responsibilities, and using management accounting in decision making.

AFN 311 Financial Reporting II (6 ECTS)
Prerequisite: AFN 111
The course examines the International Financial Reporting Standards (IFRS) adopted by all groups listed on stock exchanges in the European Union. The course focuses on the context in which the standards are developed, their application and analysis for decision-making purposes. Specific topics discussed include: the conceptual framework, accounting treatment of intangible and tangible assets, impairments and revaluations of assets, assets held for sale and discontinued operations, leases, revenue recognition, inventories, construction contracts, cash flow preparation, basic earnings per share, and accounting treatment of current taxation. Students will also learn about the latest developments in the area of Financial Accounting and implement the Standards through case studies.

AFN 312 Managerial Accounting II (6 ECTS)
Prerequisite: AFN 211
The course provides a general overview of the strategic planning process and the need for a management planning and control system to be tailored to the individual organization. Emphasis is placed on changes in the managerial field that influence decision making. Topics include: cost allocation procedures and their usefulness in decision making, measuring performance, analysis of information for short and long-term decision making, activity-based costing, just-in-time.

AFN 314 Commercial Law (6 ECTS)
The course examines the Cyprus legal system as this has developed in the framework of European legislation, and look at how it affects the modern business environment. It analyzes legal issues commonly encountered while running a business. Topics covered include contracts, offenses (torts), property law, labor law and corporate law (commercial law documents, company incorporation, bankruptcy, limited companies, corporate governance and legislation against money laundering).

AFN 318 Principles of Auditing (6 ECTS)
Prerequisite: AFN 111
This introductory course examines the International Standards on Auditing (ISAs). The adoption of ISAs is required for all Cyprus companies and all groups listed on stock exchanges in the European Union. The main purpose of this course is to teach students about the nature of audit work through reference to the detailed rules governing the profession such as: assessment of audit risk and planning the audit, collection of audit evidence with substantive and analytical procedures, auditor reports, internal control system (evaluation and review). The course emphasizes ethical issues related to the auditing profession.

AFN 319 Principles of Taxation (6 ECTS)
Prerequisite: AFN 111
This course introduces students to basic tax concepts using the UK tax system as the main example. The course examines the key differences between financial reporting and taxation, international transactions, value added tax, corporate and personal taxation.

AFN 411 Financial Statement Analysis (6 ECTS)
Prerequisite: AFN 111
The recent international financial crisis and the Eurozone crisis (e.g., Cyprus, Greece, Ireland, Spain, Portugal, Italy) have led many organizations to financial distress. Within this rapidly changing economic environment, there is a greater need for executives, analysts, bankers, portfolio managers and investors who are properly prepared and able to make the right decisions for value creation. The main objective of this course is to assist the above stakeholders in achieving their strategic goals. Specifically, emphasis is placed on: (i) basic financial analysis, including ratios, trend and common size analysis; (ii) forecasting and firm valuation; (iii) the quality of financial information and analysis of business strategy (PESTEL and SWOT); (iv) practical applications of risk management, credit analysis, bankruptcy forecasts (Logistic regression models, Altman Z-score), the role of credit rating agencies and derivatives such as CDOs, CDS; (v) practical applications in banking such as capital adequacy and BASEL II, III; (vi) practical applications for analysis of capital markets, corporate governance, mergers & acquisitions and; (vii) international financial analysis and other current capital market issues.

AFN 414 Oil & Gas Accounting (6 ECTS)
Prerequisite: AFN 111
This course is an introduction to oil and gas accounting with emphasis on accounting for costs incurred in the acquisition, exploration, development and production of oil and natural gas. It is designed to give students an understanding of the accounting standards and practice that exist in the energy sector, and the skill to evaluate financial performance in this industry. The students will familiarize themselves with measurement of liquidity, capital structure, operating performance and asset utilization. Topics will also cover valuation issues, computation of appropriate returns.
benchmarks, accounting under joint arrangements, required disclosures for oil and gas activities, and analysis of relevant companies’ financial statements. At the conclusion of the course, students should be familiar with the basic characteristics and differences between the downstream and the upstream sectors and their activities, and the main ethical issues in oil and gas accounting practices.

AFN 415 Contemporary Issues in Accounting (6 ECTS)
Prerequisite: AFN 346
The course analyzes contemporary research topics in depth and in relation to financial reporting. Emphasis is placed on related literature from international academic journals.

AFN 416 Business Ethics and Corporate Governance (6 ECTS)
Prerequisites: AFN 111 and AFN 222
The course provides an overview of ethical conduct within a business, with particular emphasis on information dissemination and finance. The first part focuses on the scope, importance and need for ethical behavior in decision making. The second part focuses on corporate governance, the importance of ensuring basic ethical corporate values, the various types and benefits of good corporate governance. The course examines case studies where ethical dilemmas exist or decisions were taken that violated corporate values. Particular emphasis is placed on the moral aspect of various decisions and corporate governance of all stakeholders.

AFN 417 Auditing II (6 ECTS)
Prerequisite: AFN 318
The main objective of this course is to continue the in-depth study of the nature and objectives of auditing, with particular emphasis on their practical implications through case studies and articles. Specifically, the issues addressed include: developments in auditing at a European level, professional ethical issues, external audit and completion stage, auditors’ and other reports, money laundering, internal control system, and the "expectation gap." The course relies extensively on literature from international journals, problem solving and analysis of relevant international corporate case studies.

AFN 418 Financial Reporting III (6 ECTS)
Prerequisite: AFN 311
The main objective of this course is to supplement the material learned in AFN 311 and to provide students with an in-depth, comprehensive understanding of financial reporting issues as they apply to financial statements prepared in accordance with International Financial Reporting Standards (IFRS). Emphasis is placed on preparing consolidated financial statements (whether arising from acquisition / disposal of subsidiaries and associates, or joint arrangements). The course also covers the accounting treatment of financial instruments, deferred taxation and earnings per share (diluted earnings per share).

AFN 419 Taxation II (6 ECTS)
Prerequisite: AFN 319
The aim of this course is to examine the most important aspects of the Cyprus tax system (which is mainly based on the UK tax system). Specifically, the course focuses on an analysis of income sources, taxable income and the various exemptions available, with the purpose of calculating taxation for individuals and legal entities (companies, partnerships). The course also examines defense contribution, capital gains tax and assessment and collection of taxes.

AFN 492 Thesis in Accounting (6 ECTS)
Research in theoretical issues or practical problems related to accounting.

AFN 493 Thesis in Accounting (6 ECTS)
Research in theoretical issues or practical problems related to accounting.

Courses in Finance

AFN 222 Corporate Financial Management (7 ECTS)
The course covers: application of the net present value (NPV) to capital budgeting investments, the risk-return trade off, portfolio management, market efficiency, cost of capital, financial leverage, optimal capital structure, dividend policy, and basic valuation methods of securities.

AFN 321 Corporate Finance II (6 ECTS)
Prerequisite: AFN 222
The course provides a deeper insight into financial theory with particular emphasis on investment valuation, capital budgeting and valuation of various financial securities (e.g., ordinary shares, different types of debt, options and rights). The course also provides a more advanced study of dividend and debt policy, and covers more advanced topics such as interactions between investment and financing decisions, hedging of financial risk, leasing, mergers and acquisitions, and international finance.

AFN 322 Investment and Portfolio Management (6 ECTS)
Prerequisite: AFN 222
The course examines the mechanics of the securities markets and provides a sound understanding of the principles of analysis and investment valuation. Subjects covered include: securities valuation methods (e.g., bonds, stocks, options, futures), determination of suitability of securities for their inclusion in investment portfolios, effective ways to best trade. Emphasis is placed on analyzing securities (i.e., determining whether an individual security is correctly valued in the market), and portfolio management (i.e., combining securities into a portfolio, portfolio monitoring, and evaluation of its performance).

AFN 323 Modern Capital Budgeting (6 ECTS)
Prerequisite: AFN 222
The course combines valuation theory with uncertainty and methods for capital investment decisions. Traditional capital budgeting does not adequately address risk and uncertainty issues (pricing of capital goods, exchange rates, etc.). Modern valuation theories provide the tools for developing methods and models to assess mutually exclusive investment funds, evaluation of investment and research projects. Students will make extensive use of computers and software (spreadsheet work) for practical applications of analytical methods.

AFN 324 Bank Financial Management (6 ECTS)
Prerequisite: AFN 222
Bank financial management represents the central activity of commercial banks, while the continually changing environment -- intensified competition, deregulation, globalization of markets, new financial instruments -- requires banks to revise the
focus of their financial management. The course presents the financial concepts, strategies and techniques that help banks achieve success in this financial environment. After reviewing today’s banking environment -- banking structure, problems and conditions -- the course concentrates on measuring and managing various types of risk faced by financial institutions, such as interest rate, credit, foreign exchange, and liquidity. The course also discusses measures and evaluation of bank performance, basic financial instruments and techniques, bank asset/liability management, new financial strategies, and integrative bank management decisions.

AFN 325 Options, Futures and Risk Management (6 ECTS)
Prerequisite: AFN 222
The course examines the nature, characteristics, and markets for options and futures. It analyzes the factors that determine their value and studies basic valuation techniques and their application to the financial activities of the business and investment decisions. It also studies their specific role in hedging or reducing financial risk (security portfolio).

AFN 421 Financial Policy (6 ECTS)
Prerequisites: AFN 321 and AFN 322
The course analyzes the financial aspects related to the definition and implementation of a company’s financial policy (e.g., examines inter-relationship between profitability and growth, dividend policy, debt policy, competitive/strategic positioning, etc.). It uses case studies to apply concepts and techniques learned in previous business courses to the analysis of real life situations and practical problems. It is intended as a capstone course to be taken after all other concentration courses, providing the opportunity for reviewing, integrating, and operationalizing acquired skills in an applied context.

AFN 422 Public Finance (6 ECTS)
Prerequisite: AFN 222
The course examines the financial policies and problems facing government institutions and public agencies, such as resource allocation, transfer pricing, and public debt policy (with reference to education, social services, natural resources and the environment).

AFN 423 International Financial Management (6 ECTS)
Prerequisite: AFN 322
This course studies financial operations in the context of the international environment, with particular attention to the unique opportunities, constraints and risks involved in global operations. These include fluctuating exchange rates, imperfect or distinctive international money, capital and exchange markets, differing accounting, tax and subsidy regimes, political or country risk, and the evaluation and financing of international investment opportunities. This course is useful for managers in organizations active in international trade (exports or imports), subject to foreign competition, having or contemplating direct investment in sales, service or production affiliates overseas.

AFN 425 Contemporary Issues in Finance (6 ECTS)
Prerequisite: AFN 222
The course introduces advanced, current issues in finance. It offers small groups of students the chance to work on selected finance topics of their interest and to develop their ability to follow relevant literature and to carry out independent work. The contents may change from year to year, depending on the faculty and students’ interests.

AFN 426 Insurance and Risk Management (6 ECTS)
Prerequisite: AFN 222
The course covers the identification, assessment and management of financial and other insurance risks. The economics of insurance demand and supply provide the rationale for insurance and risk management products. The course concentrates on the assessment of credit risk, default risk, and liquidity risk. There is also a qualitative overview of insurance company activities, as well as the general regulatory framework of the insurance industry in both Europe and the U.S.A.

AFN 495 Thesis in Finance (6 ECTS)
Research in theoretical issues or practical problems related to finance.

AFN 496 Thesis in Finance (6 ECTS)
Research in theoretical issues or practical problems related to finance.
## TABLE A: MANDATORY COURSES

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<td>CS 032</td>
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## TABLE B: ACADEMIC PROGRAMME FOR THE FIRST AND SECOND YEAR OF STUDIES

### 1st YEAR

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### TABLE C: INDICATIVE ACADEMIC PROGRAMME FOR THE THIRD AND FOURTH STUDENTS SPECIALIZING IN ACCOUNTING

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<td>Two Business Breadth Courses</td>
<td>Two Business Breadth Courses</td>
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<tr>
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<td>Free elective course</td>
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### TABLE D: RECOMMENDED PROGRAMME FOR THIRD AND FOURTH YEAR STUDENTS SPECIALIZING IN FINANCE

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<td><strong>5th Semester</strong></td>
<td><strong>7th Semester</strong></td>
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<tr>
<td>AFN 321 Corporate Finance II</td>
<td>PBA 435 Business Policy</td>
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<tr>
<td>AFN 325 Options, Futures and Risk Management</td>
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<td>Up to 3 Elective Courses *</td>
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<tr>
<td>AFN 323 Modern Capital Budgeting</td>
<td>AFN 421 Financial Policy</td>
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<td>AFN 322 Investment and Portfolio Management</td>
<td>AFN 416 Business Ethics and Corporate Governance</td>
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<td>PBA 346 Quantitative Methods in Business II</td>
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*Other Depth Courses, Breadth Courses, Free Electives or Thesis*
### Table E: Recommended Programme for Third and Fourth Year Students Specializing in Accounting

<table>
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<td>AFN 311  Financial Reporting II</td>
<td>AFN 411  Business Analysis</td>
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<tr>
<td>AFN 318  Principles of Auditing</td>
<td>AFN 418  Financial Reporting III*</td>
</tr>
<tr>
<td>AFN 314  Commercial Law^</td>
<td>BPA 435  Strategic Management</td>
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<td>Up to 2 Elective Courses **</td>
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<td><strong>6 Semester</strong></td>
<td><strong>8th Semester</strong></td>
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<tr>
<td>AFN 312  Management Accounting II</td>
<td>AFN 417  Auditing II*</td>
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<td>AFN 319  Principles of Taxation</td>
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<td>BPA 346  Quantitative Methods II</td>
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**Notes:**
- * Elective for Business Depth in Accounting. Exemption from ACA and ACCA.
- ** Other Depth Courses, Breadth Courses, Free Electives or Thesis.
- ^ AFN 314 (Cyprus Commercial Law) is offered in both semesters.
Introduction

The modern business environment is undergoing a major transformation: Markets are becoming global, organizations are merging, and regulatory barriers are falling. Information technology creates a virtual business environment where services are rendered, transactions take place and deals are concluded more efficiently. Recently, we have witnessed the transformation of industrialised nations from manufacturers of goods to providers of services. Many advanced developing countries are closely following this lead, while other developing countries are gradually filling the gap in the manufacturing processes.

The only constant in today’s environment is change itself. The astute managers who anticipate, comprehend, adapt and even proact in a timely fashion in this dynamic environment will lead their enterprises to success. Those who are unable to cope with rapid change face real threats to the survival of their operations. The adage “lead, follow or get out of the way” becomes particularly relevant for new managers in this new era.

The Department of Business and Public Administration (BPA) aims to train managers who will lead their enterprises through these challenging times. It offers an integrated programme of studies that emphasises both breadth of understanding of the business environment, as well as depth in several functional areas. Based on the latest curricula of prominent European and North American academic institutions, it integrates internationally established management principles with sensitivity to the realities and priorities of the local and regional realities. The use of powerful analytical tools and the latest information technology for the support of the tactical and strategic goals of an enterprise play a central role in this programme of studies.

EDUCATIONAL MISSION

The Department prepares future executives in Business and Public Administration by cultivating three key qualities: analytical aptitude, critical thinking and moral standing. More specifically, the programme of study aims to:

A) Familiarize students with modern methods of information analysis, by introducing them to the newest problem solving tools and developing their strategic skills.

B) Cultivate their critical thinking so that they will be able to successfully and effectively manage human resources in modern organizations.

C) Enhance the values of co-operation, leadership and accountability as well as all qualities essential to effective management.
OBJECTIVES OF THE DEPARTMENT

The Department's aims are to provide local and regional leadership in all areas of Business and Public Administration, and to achieve international recognition as a centre of business research excellence.

This aim is achieved by a systematic effort focused on:

- The education of tomorrow's business leaders in Cyprus and the region.
- The pursuit of research of international impact.
- The establishment of professional development courses and collaborative projects with local and regional industry.

GENERAL INFORMATION

The Department of Business and Public Administration offers three undergraduate programmes: Business Management, Managerial Science, and Marketing. The degrees emphasize both breadth of education across all functional areas of the business enterprise and substantive depth in one of the above areas.

In collaboration with the Department of Accounting and Finance, the Department also offers an MBA postgraduate course. A postgraduate course (MSc) in Business Management will be offered in the near future, as well as PhD degrees in Management, Management Science, and Marketing.

The University of Cyprus follows the European Credit Transfer and Accumulation System (ECTS). To graduate with a BSc degree, students must complete all courses successfully while acquiring a minimum of 240 ECTS. Each student is responsible for arranging his/her programme of study and meeting the specific degree requirements including courses in a foreign language(s) (10 ECTS) and a number of electives from other departments (20 ECTS).

Most courses required in the first four semesters are the same for all students in the Department. They involve introductory courses in various disciplines and courses in Business Fundamentals. These courses are designed to provide a general education and the necessary background for further in-depth study in one of the above three areas of concentration. The development of basic analytical, quantitative and computing skills is a primary objective of the curriculum in the first four semesters. Courses in Mathematics, Statistics, Informatics, and Economics are integral parts of the curriculum. By the end of the fourth semester, students will have developed a broad understanding of business education and will be able to make an informed choice of the area of specialisation that best suits their interests and career objectives.

The programme of studies in the last four semesters emphasises both breadth of knowledge across all functional areas of a business enterprise and public management, as well as in-depth study in a particular area of concentration. These higher-level courses allow students to deepen their knowledge in their area of choice. Students are also encouraged to broaden their knowledge by auditing courses in other areas of concentration, or choosing their electives in other departments. Many students, especially those planning to continue their education at the Master or PhD level, choose the option of writing a Senior Thesis. The thesis project typically involves sponsorship by local industries, and concerns the application of modern business methodologies to practical problems facing the sponsoring institutions.

Attendance is mandatory for all programmes of study. This applies to all elements of the course, i.e., lectures, tutorials, workshops, assignments, exams, etc., Class participation is also required for all courses. Students must familiarize themselves with University policies, and can find all the relevant information on the Academic Affairs and Student Welfare Services webpage: http://www.ucy.ac.cy/goto/acafsw-el-GR/Home.aspx.

Graduates of the Department will be able to make immediate and substantial contributions to their place of employment, and will be well positioned to eventually move into top managerial and leadership roles. Graduates of the Department will also have the fundamental knowledge to continue onto further education and pursue higher degrees (MBA, MSc or PhD) either at the University of Cyprus or other universities/academic institutions worldwide.

Elective Courses

Through their electives students will acquire a broad liberal arts education that will enhance their knowledge and skills acquired in the Department. Elective courses must be chosen from at least three different Faculties at the University of Cyprus, and students may also take electives from their own Faculty as long as the chosen courses are not from their own Department. Courses in the student's main area of concentration cannot be considered as electives. The Department encourages students to select courses that will broaden their knowledge and skills, as today's international business environment is characterised by a wide diversity.

Senior Thesis

During their fourth year of study, students may choose either to write a thesis or continue with coursework (one Breadth and one Depth course). To qualify for the thesis option, the student must have a GPA higher than 7.0 or must receive approval from the potential thesis supervisor and the departmental board. The subject of the thesis is chosen by the student in consultation with the thesis supervisor who will be monitoring the student's academic progress.
The first stage of the thesis, which represents 6 of the 12 ECTS, requires the submission of a research proposal describing the topic to be studied, a general bibliography, and the proposed methodology. The research topic must be submitted at the beginning of the first semester of the fourth year.

Once the research topic is approved by the thesis advisor the student must submit the thesis during the course of the second semester of the fourth year. The thesis must include a detailed written essay with reference to theories, methods of problem solving and the findings of their research. This material represents the remaining 6 ECTS. The Department has the right to ask the student to present their thesis to a committee comprised of academic personnel from the Department, external academics and other individuals.

For the thesis, students may choose either a theoretical issue or a more practical and specific problem. Students who choose the practical project option may work individually or in groups of no more than three people. For those students who work in groups, the contribution of each member must be presented clearly.

PROFESSIONAL DEVELOPMENT AND LOCAL INDUSTRY COLLABORATIONS

The Department has an active collaboration with local organizations that includes both an educational and a research component. On the educational front, we organize professional development seminars and short courses aimed at entry, middle, and top-level managers. On the research front, we pursue joint projects focused on problems of immediate concern to large segments of local industry.

STUDENT EXCHANGE PROGRAMMES

The Department has established bilateral student and faculty exchange agreements with several European universities in the context of the Erasmus Programme and other exchange programmes with an international focus. We have hosted students and faculty from a number of European countries, while many of our students and faculty have had academic exchanges at universities in Europe, the USA and elsewhere. Furthermore, we are continually expanding our network of collaborations with academic institutions in other countries as we aim to provide rich intercultural and international experiences within an academic framework to both our faculty and students. This serves to enhance the research and professional capabilities of our two major stakeholders, the University and the community at large.

PROGRAMME OF STUDIES

The undergraduate programme of studies of the Department integrates broad knowledge of the business enterprise and public administration with in-depth knowledge in an area of concentration. BSc degrees in the following concentrations are currently offered:

- Management
- Management Science
- Marketing

Management

The concentration in Management prepares students for managerial and leadership positions in a diverse range of organizations in the private, public and non-profit sectors, where there is a continual need for change, adjustment and development. The major objective of the degree in Management is to help students develop the basic skills required to deal with the challenges and opportunities presented to them in their managerial work. The degree with a concentration in Management combines internationally accepted principles with the particularities of the Cypriot business sector and those of the wider geographical area. The coursework is competitive and comparable to that of top-ranking universities both in Europe and North America.

Management Science

The concentration in Management Science focuses on giving students the fundamental knowledge and skills to develop and apply analytical and software tools that will support operational decisions. The growing complexity and internationalization of business activities, the ever more intense competition, and the rapid advances in information technology have created a strong need for developing and maintaining effective decision support systems based on modern analytical methods. These methods are derived from operational research, statistics, mathematics, financial, econometrics and other relevant fields and mainly apply to the use of information management technology. There is a growing demand for managers to combine a good understanding of operational activities and challenges with modern means of decision making.

The curriculum in Management Science aims to foster this combination of knowledge and skills. Graduates with a specialization in Management Science will be in a position to conduct business operations in various areas, such as industry, logistics and supply, finance and banking, telecommunications and transport, as well as many others.

Marketing

The Marketing major has two main objectives: first, to prepare students for a variety of careers in different fields of Marketing, as well as in general management positions in private and public organizations; and second, to provide students with the essential skills and knowledge that will enable them to continue their studies at a postgraduate level.
The Marketing major emphasizes the development of knowledge, skills, and analytical techniques aimed at identification, prediction, and understanding the needs, preferences, and purchasing behaviour of individual consumers, households, and organizations. Also emphasized are the design and implementation of effective strategic marketing plans—plans that enable a company to achieve its marketing and business objectives by optimizing resources and capabilities and exploiting emerging market opportunities.

The Marketing curriculum enables students to develop their creativity and critical judgment for effectively solving marketing and business problems. Students also learn to work systematically in order to carry out large-scale market research projects and design strategic marketing plans, advertising plans, electronic marketing plans, international marketing plans, and sales management strategies and programs. In their research projects students have the opportunity to cooperate with local firms and examine how marketing theories, concepts and approaches are actually implemented in practice. Through this process students become familiar with the local business environment and prevailing market conditions across various industries.

MINOR IN BUSINESS ADMINISTRATION

The Department offers a Minor in Business Administration to a limited number of students in other departments. The programme covers the fundamental principles and concepts of Business Administration and Public Management through the course requirements indicated below in Table D. Students should take at least 42 ECTS in compulsory courses and 18 ECTS in elective courses.

COURSE DESCRIPTIONS

Management

BPA 131 Principles and Practices of Management (6 ECTS)

The purpose of this course is to provide an understanding of the nature and role of management in an organization, as well as to highlight the pressures imposed on management by its external environment. The course is structured around the key management functions, namely planning, organizing, staffing, leading and controlling. It also provides an overview of the basic management areas, namely accounting, marketing, finance, production and personnel.

BPA 231 Organizational Behavior (6 ECTS)

This course examines the impact that individuals, groups, and structures have on organizational behavior. The following topics are covered: individual behavior, perceptions and individual decision making, motivation theories, group behavior and decision making, leadership, power and conflict, organization structure and design, organizational culture, and organizational change and development.

BPA 235 Introduction to Critical Thinking for Management Students (6 ECTS)

The aim of this course is to help students develop critical thinking. Critical thinking is a skill that, like all skills, needs to be learned and cultivated. In this course we will deal with the structure, process and outcomes of critical thinking, focusing especially on organizations and public policy. In particular, we will discuss what makes thinking critical and at the same time focus on the logic of reasoning, the process of conceptual analysis, and practical reasoning. We will discuss issues related to evidence, the logical structure of arguments, values and ethics in argumentation, as well as hermeneutics. We will also discuss the social context within which critical thinking takes place, focusing especially on power relations and authority, the relationship between emotions and thinking, and the genre-cum-discourses through which critical thinking takes place. Finally, we will discuss ways through which critical thinking may be weakened as well as ways through which it may be strengthened, especially in the context of organizations. The course will draw on literature from philosophy, psychology, and management and public policy. Throughout the course examples from public life will be examined.

BPA 332 Business Ethics (6 ECTS)

Prerequisites: BPA 131 or approval of the instructor and BPA 231

This course provides a general overview of ethical performance in business. Students will learn to examine standards and priorities through the lens of ethics and moral reasoning in order to achieve a balance between business and economic responsibility on one hand, and social and public responsibility on the other. Topics include: moral theories in normative ethics, ways to promote and institutionalize ethical behavior in organizations, and differences in ethical standards in different countries. The class will discuss many cases and problems illustrating ethical dilemmas.

BPA 334 Human Resource Management (6 ECTS)

Prerequisites: BPA 131 or approval of the instructor and BPA 231

The objective of this course is to introduce students to the theory and practice of Human Resource Management (HRM). Issues such as recruitment, selection, performance appraisal, planning, compensation and benefits, training and development as well as employee relations will be analyzed in the course. In addition, students will have the opportunity to analyze a variety of practical situations wherein the theories underlying the practice of HRM are applied.

BPA 335 Cross-cultural Management (6 ECTS)

Prerequisites: BPA 131 or approval of the instructor and BPA 231

The course introduces students to the role of culture in Management. It focuses on the meaning and significance of culture, studies the role of cultural values and their influence on organizational behaviour and explains the significance of cross-cultural similarities and differences in management. The course also emphasizes cross-cultural communication and the role of culture in decision making, leadership and human resource management.

BPA 338 Qualitative Research Methods for Business (6 ECTS)

This course introduces students to the fundamental elements of a qualitative approach to research. It aims to teach students the principles, aims and methods of conducting qualitative research, and to give them an understanding of the uses of qualitative versus quantitative data. The main issues covered include
qualitative research principles; qualitative research methods
(observation and ethnography, interviews, content and narrative
analysis, conversation and discourse analysis); qualitative
research design (sampling and recruitment); credibility of
qualitative research (reliability, validity, generalization);
qualitative research ethics and challenges; and writing-up
qualitative research results.

BPA 432 Innovation Management (6 ECTS)
Prerequisites: BPA 131 or approval of the instructor and BPA 231

The management of innovation is one of the most important
and challenging aspects of modern business. Innovation is the
fundamental driver of competitiveness and plays a major part in
improving the quality of life. Even though technological
innovation is uncertain and risky, it can still be managed.
Therefore it is essential that students understand the strategies,
tools and techniques for managing innovation. This course aims
to give students an understanding of the main issues in
innovation management, an awareness of the key features of
success, and an appreciation of the relevant skills needed to
manage innovation at both strategic and operational levels. The
topics covered include product and process innovations, radical
and incremental innovations, protecting intellectual property,
appropriability, diffusion of innovations, sources of innovations,
etc.

BPA 434 Entrepreneurship (6 ECTS)
Prerequisites: BPA 131 or approval of the instructor and BPA 231

The purpose of this course is to explore the many dimensions of
new venture creation and growth. While most classroom
examples will be drawn from new venture formation, we will also
examine cases related to entrepreneurship, social and non-profit
entrepreneurship. The class sessions will focus on conceptualizing,
developing, and managing successful new ventures, ideas or products with the goal of creating a business plan.

BPA 435 Strategic Management (7 ECTS)
Prerequisites: BPA 131 or approval of the instructor and BPA 231

This course addresses issues that are of key importance to a
company such as vision, mission, and objectives. Emphasis is
placed on competitive analysis, the nature of competitive
advantage, the structures and control of management
processes, diversification strategies, culture and leadership.

BPA 436 Leadership (6 ECTS)
Prerequisites: BPA 131 or approval of the instructor and BPA 231

The course introduces students to the important topic of
leadership from the perspective that leadership is dynamic and
not static. Major theories of leadership are analysed and the
relationships between leader, followers and situations are
explored as is the process of leadership. Emphasis is placed on
the role of gender and culture in leadership, the characteristics
and values of leaders, charismatic leadership and follower roles.

BPA 439 Management of Public Organizations (6 ECTS)
Prerequisites: BPA 131 or approval of the instructor and BPA 231

This course introduces students to the important concepts and
tools for managing public organisations. The course highlights
the similarities and differences between business (private) and
public organisations and includes material on strategic analysis,
performance measurement and management, organisational
structure and culture, operations and process management, and
organisational learning and change.

BPA 455 Seminars in Marketing/Management (6 ECTS)
Prerequisites: BPA 131 or approval of the instructor and BPA 231

This course focuses on a variety of contemporary topics related
to marketing/management, such as a firm's internationalisation
process, the interaction approach in buyer-seller relationships,
and the application of information technology. The course relies
heavily on the latest developments in the academic literature and aims towards stimulating interest in future research.

BPA 460 Advanced Topics in Strategy (6 ECTS)

In order to develop and apply a successful strategy, an
organisation must be able to face and critically analyze four
different issues: a) the organization's boundaries: what must an
organisation do, what size should it be, and in what business
sectors should it enter? b) market and competition analysis: what
is the nature of the markets in which the organisation is
competing and what is the nature of the organisation in these
markets? c) market position: how should an organisation place
itself in order to gain competitive advantage over other
organisations, and what is the basis of its competitive advantage, and
how should it adapt and change in the course time? d) the
internal environment of the organization: how should an
organisation build its internal structure? These questions will be
answered by examining economic theory, economic sociology,
strategic theory and organisational studies.

BPA 461 People and Organizations (6 ECTS)
Prerequisite: BPA 231

This course covers a range of topics, including the concept of the
social self, perceiving group and individuals, attribution theory,
and behavior within organizations. Special emphasis is placed on
issues of power and authority, obedience and conformity, and
how stereotypes and prejudice affect groups and organisations
negatively.

BPA 462 Advanced Organisational Behaviour (6 ECTS)
Prerequisite: BPA 231

In this course, individual behaviour and group processes are
studied in depth. Topics covered include decision making, basic
individual psychology, group formation, and problems in the
development and functioning of teams as well as ways to avoid
typical group problems.

BPA 463 Negotiations and Conflict Management (6 ECTS)
Prerequisites: BPA 131 or approval of the instructor and BPA 231

Negotiations are an integral part of our professional and
personal lives. Therefore, business executives should have highly
developed negotiation skills and good knowledge of the
procedures necessary for successful negotiations. By acquiring
these skills students should be able to handle business situations
with individuals or teams as well as with suppliers and
customers. This course examines the theory, the procedures and
the practical aspects of negotiations, especially in the business
environment. It focuses especially on the different types of
negotiation, the strategy of negotiations, the correct
communication between parties, sources of power in
negotiations, ethics and multiparty negotiations. It also covers
conflict management during the negotiation process.

BPA 464 Entrepreneurship and Innovation (6 ECTS)
Prerequisites: BPA 131 or approval of the instructor and BPA 231

This course discusses the theoretical and practical underpinnings of entrepreneurship and innovation. Topics covered include business plans, venture capital firms, business angels, franchising systems, protection of intellectual property, diffusion of innovation, and sources of innovation.

BPA 465 ORGANIZATIONS, ENVIRONMENT AND SUSTAINABILITY – The Managerial Challenge

The attention that the environment is receiving today is impossible to miss. In this course, we will introduce and critically analyze the challenges and opportunities organizations face as a result of the environmental impacts of their operations. Managers need to understand the factors that drive business value when dealing with these challenges. In the course, we will study and evaluate how firms respond to these challenges. We will also explore how firms strategically shape the regulatory and competitive context in which they operate. Students will learn how to a) apply conceptual frameworks to evaluate environmental and social performance (triple bottom line); b) assess how markets respond to environmental and social concerns; and c) help their organizations develop a competitive advantage in an era of higher environmental and social expectations.

BPA 466 ENERGY – Strategy and Operations

Energy – where to get it from, how to use it efficiently and responsibly – is arguably one of the most critical economic, environmental and social challenges facing the globe today. The course will introduce students to basic concepts and methods of analysis used across the social sciences (with primary emphasis on economics and business) to understand the production, distribution and consumption of energy. In other words, we will examine the full ‘life cycle’, or cradle to grave to cradle again’ of energy (from the stage of raw materials, or inputs, to generation, conversion, distribution, consumption, recycling, and managing waste and impacts). Such methods, tools and perspectives will help students understand, critique, and ultimately influence the management of technical, economic, political, and environmental impacts of energy. The course will include examples of cost-benefit, organizational, and institutional analyses of energy production, transformation, and use. It will also use material balance, energy balance and life cycle assessment tools to examine the environmental impacts of energy technologies. Examples will be drawn from various countries and settings. The second part of the course will provide students with insights on the main trends and characteristics of the energy business. Building on knowledge gained in the first two parts of the course, we will further discuss the value chains of specific energy companies (using those involved in the Cyprus energy market as examples), and consider the energy market outlook, with a particular emphasis on natural gas and the latter’s impact on the development of the energy sector in Cyprus and the Eastern Mediterranean.

BPA 498 Senior Thesis in Management I (6 ECTS)

Conducting research on theoretical issues or working on practical problems in the area of management.

BPA 499 Senior Thesis in Management II (6 ECTS)

Conducting research on theoretical issues or working on practical problems in the area of management.

Management Science

BPA 241 Introduction to Operations Management (6 ECTS)

(Previous Course Title: BPA241 - ‘Introduction to Management Science’)

This course examines the basic principles of the management of production and operations in manufacturing and service firms. Operations, in general, comprise all activities involved in the actual production of goods and the delivery of services. As such, operations management becomes a key function of the organization, which must ensure that goods and services are created and delivered efficiently and effectively, while balancing a number of conflicting demands. In order for the operations management to function effectively and achieve the objectives of business strategy, it must be carefully and effectively coordinated with other functions such as marketing, finance, human resources, etc. Students are exposed to a variety of topics including service and process design in manufacturing and services, process analysis, capacity planning, operations strategy and competitiveness, facility location and layout, managing for quality, supply chain management, inventory management systems, and recent trends in production and operations management.

BPA 242 Data Analysis for Business (6 ECTS)

Description in English is not available.

BPA 243 Applications of Operations Research (6 ECTS)

The course examines methods and techniques of operations research and their applications, with an emphasis on production management problems. Numerous techniques are examined, including linear programming and the simplex method, network flow problems that are modeled using linear programming such as the transportation and transshipment problems, network models such as the shortest path problem, queuing theory, forecasting techniques, inventory models, and project scheduling.

BPA 244 Business Information Technology (7 ECTS)

(Previous Course Title: BPA132 - ‘Information Systems in Business’)

This course explains how businesses deploy key information technology assets (hardware, software, networks and data) and demonstrates that information technology has maximum impact when it is aligned with firm strategy. The course stimulates ideas for disruptive applications of technology that support novel applications and business plans, and offers insight into emerging trends in IT, such as Cloud Computing and Big Data. Real world examples and mini case studies are a centerpiece of this course, and they are drawn from the instructor’s own professional experience, as well as from high quality material developed by other professionals and academics. Laboratory sections run in sync with the lectures and help the students develop hands-on experience in creating webpages and blogs, using WordPress tools, performing modeling and data analysis in MS-Excel, and creating simple data-base driven applications in MS-Access.

BPA 245 Introduction to Service Management (6 ECTS)

This introductory course examines the activities and management challenges of service organizations. Topics examined include customer identification, customer contact, strategic role of the information resource, facility location, queuing systems in services, and management of supply and demand. Emphasis is placed on the design and management of the service delivery system. Methodologies for evaluating the
Prerequisites: MAS 061 and MAS 062

Prerequisite: BPA 241

There is increased awareness of the importance of operations, both in manufacturing and services, in achieving a competitive advantage. This course introduces students to the fundamentals of Operations Management. Topics to be covered include: productivity and competitiveness, product and service design, process selection, facilities layout, design of work systems, aggregate planning, inventory control, materials requirement planning, Just-In-Time systems, scheduling. Current topics such as quality improvement, functional coordination, and issues in international manufacturing will also be addressed. Case studies will be used to present and discuss these concepts.

BPA 341 Operations Management (6 ECTS)

Prerequisite: BPA 241

This course addresses fundamental issues in logistics and distribution, and covers problems regarding planning, ordering and procuring of raw materials. Also discussed are problems concerning decisions for outsourcing production, facility location and warehouse capacity planning, sequencing, scheduling and routing product shipments, as well as related transportation and distribution problems. Analytical decision support models will be presented.

BPA 342 Logistics and Distribution (6 ECTS)

Prerequisite: BPA 241

This course addresses modeling techniques, optimisation methods and their application to practical problems. Emphasis is placed on developing modeling skills. Fundamental principles of mathematical programming are addressed and are applied to case studies wherein students perform analysis for decision support purposes. Modeling realistic problems and solving them with available modeling/optimisation packages (e.g., GAMS, AMPL) are integral features of the course. Algorithmic concepts are also covered to the extent necessary in order to properly utilize the capabilities of optimisation packages, interpret their results and perform post-optimality analysis. Various types of mathematical programming models are examined: linear programs, nonlinear programs, multi-objective optimisation models, integer programming models, programmes with special structures (e.g., network flow problems, block-structured programmes).

BPA 343 Applied Mathematical Modeling (6 ECTS)

Prerequisite: BPA 241

This course examines issues in network modeling and dynamic programming with roughly equal emphasis on model formulation and solution techniques. The implementation and solution of large-scale models with computers are integral features of this course.

BPA 344 Network Modeling and Dynamic Programming (6 ECTS)

Prerequisite: BPA 244

(B Previous Course Title: BPA333 - 'Management Information Systems')

This course will acquaint students with the different types of information systems that organizations use in support of their strategy, and explain how firms can deploy technological resources in order to achieve resource-based competitive advantage. The course introduces the students to e-commerce with special focus on network effects and the management (e.g., pricing and versioning) of digital goods. Students will become familiar with how firms use Web 2.0 tools in order to support their marketing and knowledge-management efforts, and will come to recognize the important ethical issues raised by the prevalence of information systems in modern business environments. By the end of the course, students will be able to assess the strategic position of a firm based on its use of technology in support of its strategic resources. Furthermore, students will be practically acquainted with the use of Web2.0 tools and will be required to complete assignments related to social media, wikis, mesh-ups, etc. A number of case studies are used to demonstrate the material in practice. The firms which are closely examined include Zara, Fresh Direct, Capital One, Netflix, Zipcar, Walmart, and Zynga, among others.

BPA 440 Case Studies in Business Modeling (6 ECTS)

Prerequisite: BPA 442 (can be taken at the same time) or BPA 343

The modeling of complex business problems is an art that cannot be learned by studying only modeling tools. This course is based on case studies of real-world business problems that can be modeled using a variety of management science tools. Students will learn how to combine linear programming, concepts of probability, decision trees and decision theory to structure a formal decision making approach to a real problem. Analysis, and computer solutions if necessary, will be examined for their managerial implications. This is the capstone course of the Management Science concentration. It will emphasize the complete cycle: problem understanding-modeling-analysis-development of managerial plans.

BPA 441 Production Planning (6 ECTS)

Prerequisite: BPA 341

In the past two decades, there have been two revolutions in the area of manufacturing planning and control. In the 1970s, it was Materials Requirements Planning (MRP). In the 1980s it was Just-In-Time (JIT). This course addresses the tactical (medium- and
short-term) decisions facing an operations manager. Topics to be covered include: medium-term planning, detailed planning, scheduling and control, JIT, issues in inventory management, new technologies and their impact (Flexible Manufacturing Systems, Group Technology and Cellular Manufacturing). The course is accompanied with case studies.

**BPA 442 Linear and Nonlinear Programming (6 ECTS)**

*Prerequisite: BPA 343*

This course examines linear and nonlinear optimisation problems with special emphasis on solution techniques. Linear programming in matrix form the revised simplex method, parametric programming, and duality theory. Nonlinear programming: fundamental concepts, single variable minimization, algorithms for unconstrained optimisation such as the method of steepest descent and Newton-like methods, algorithms for constrained optimisation such as penalty methods and Rosen’s gradient projection. Emphasis will also be placed on the computer implementation of optimisation techniques.

**BPA 443 Stochastic Systems (6 ECTS)**

*Prerequisites: BPA 343, MAS 061 and MAS 062*

Consideration of uncertainties plays an important role in the business environment. This course introduces the theory and mathematical foundation of stochastic processes and probability models. Topics to be covered include: Poisson processes, Markov chains, renewal theory, queuing theory, Brownian motion. An introduction to stochastic optimisation programs as tools for addressing decision problems under uncertainty is also covered. Emphasis is placed on the use of stochastic models for various operation, financial, and strategic planning problems.

**BPA 444 Manufacturing Strategy (6 ECTS)**

*Prerequisite: BPA 341*

The choice of a particular corporate strategy must be translated into a specific actionable policy statement detailing: a) capacity/plant location decisions, b) choice of product/process technology, c) infrastructure design with respect to workforce and production planning and control and d) supplier relationships. The course addresses the above dimensions of a manufacturing strategy using case studies and selected readings.

**BPA 445 Management of Service Operations (6 ECTS)**

Service companies constitute the largest and fastest-growing segment of the economies of most developed and developing countries. This course explores the specific tasks faced by managers in various types of service operations. Particular attention is paid to developing an understanding of the close links among the operations, human resources, and marketing functions in service operations. Topics to be covered include: customer contact, manufacturing principles in services, service quality, falsifying services, service recovery, service guarantees, capacity issues in service operations, service driven companies, services in manufacturing (service factory), marketing of service operations.

**BPA 446 Applications of Neural Networks in Business (6 ECTS)**

*Prerequisites: MAS 001, MAS 002, MAS 061 and MAS 062*

This course introduces students to the basic concepts of artificial neural networks. These concepts are applied to various areas in business. Topics include: Training algorithms for multilayer perceptrons, training radial basis networks, probabilistic neural networks the Hopfield network and the Kohonen network. Applications in business include: Bankruptcy prediction, exchange rate forecasting, earnings and cash flow prediction, facility layout problems, and prediction of stock returns.

**BPA 447 Quantitative Methods in Business III (6 ECTS)**

*Prerequisite: BPA 346*

This course examines applications of multivariate analysis and time series in business. Topics examined include: discriminant analysis, principal components analysis, factor analysis, and cluster analysis, trend and seasonality in time series, and ARMA models.

**BPA 448 Planning and Managing Projects (6 ECTS)**

This course examines the process of project planning including project definition, managing the organization and cost of projects, managing time and resources in projects, as well as managing risk in projects. The course also presents techniques for the effective initiation and completion of projects and techniques in order to successfully manage the performance of the project in terms of cost, time and quality during its implementation phase. The course aims to give students the tools to create a project manual in which all essential aspects of the project are presented. Computer software related to project management will also be presented.

**BPA 449 Current Topics in Management Science (6 ECTS)**

*Prerequisite: BPA 343*

Depending on the interests of the faculty, the specific content of this course will vary from year to year. It will be designed to address current advanced topics in management science. In particular, it is envisioned that projects will be identified with local industry and teams of students will be offered guidance and supervision to work on problems geared to their particular interests. The main course requirements are: readings in the relevant literature, lectures given by the instructor and visiting speakers, and completion of an individual project.

**BPA 490 Senior Thesis in Management Science I (6 ECTS)**

Conducting research on theoretical issues or working on practical problems in the area of management science.

**BPA 491 Senior Thesis in Management Science II (6 ECTS)**

Conducting research on theoretical issues or working on practical problems in the area of management science.

**Marketing**

**BPA 251 Principles of Marketing (6 ECTS)**

*Prerequisite BPA 131*

The course introduces the concept of marketing and its role in corporate activity. It analyzes the forces of the microenvironment and macroenvironment of an organization and examines how these affect the process of taking marketing decisions. It also examines the marketing information system, the behavior of consumer and organizational buyers and the process of target marketing. In addition, it provides a broad investigation of the key elements of the marketing mix program, namely products, pricing, distribution channels and promotion.

**BPA 351 Marketing Research (6 ECTS)**

*Prerequisites: BPA 251*

The role, value and limitations of marketing research in the overall marketing activity are examined. The course investigates the various steps in the research process and alternative types of research design. It also analyzes the basic methods for
Prerequisite: BPA 251

BPA 352 Consumer Behavior (6 ECTS)
Prerequisite: BPA 251
This course examines the various theories of consumer behavior and their application to marketing decision-making. It analyzes the internal and external influences on consumer behavior and investigates methods for segmenting the consumer market. The consumer decision process is also examined, as are the purchasing act and its outcome. Trends in the consumer market and the issue of consumerism are also discussed within the context of this course.

BPA 353 Sales Management (6 ECTS)
Prerequisite: BPA 251
The sales function of marketing management is investigated with special emphasis on the personal selling process. Planning and budgetary aspects of sales and methods for sales forecasting are discussed. The course also reviews ways of organizing, supervising and monitoring the work of sales people. It analyzes the personnel selection and recruitment process, personnel training and education, employee motivation and compensation, and methods for evaluating sales performance.

BPA 354 Marketing Communications (6 ECTS)
Prerequisite: BPA 251
The course highlights the role of promotion in marketing and provides an overview of the communication process. It investigates the buyer decision-making process and examines the role of market segmentation and product positioning in promotion. It also analyzes in detail the basic promotional tools, namely advertising, sales promotion, personal selling and public relations.

BPA 355 Distribution Management (6 ECTS)
Prerequisite: BPA 251
The course provides an understanding of the distribution environment and examines the role of marketing in wholesale and retail strategy. It explains how to research and target the customers of distribution organizations. The course analyzes distribution positioning strategy, namely merchandising, customer service, pricing aspects, store environment and customer communications.

BPA 451 Services Marketing (6 ECTS)
Prerequisite: BPA 251
The course examines the application of marketing in the area of services. The course investigates the external environment governing the marketing of services, as well as the behavior of the service buyer. It analyzes the key elements of the services marketing mix, namely new service development, pricing of services, service distribution and service promotion. It also examines the marketing planning process for services, as well as the service marketing organization, implementation and control.

BPA 452 International Marketing (6 ECTS)
Prerequisite: BPA 251
This course investigates marketing activities in an international context. It analyzes the major aspects of the international marketing environment and at the same time it reviews the international marketing research process. It investigates methods and strategies for foreign market segmentation and selection, and critically analyzes the international marketing mix tools, namely, products, pricing, distribution channels, and promotion. Also examined are: the international marketing planning process, as well as the organization, implementation and control of international marketing activity.

BPA 453 Strategic Marketing (6 ECTS)
Prerequisite: BPA 251
The strategic aspects of marketing are investigated and the basic tools for marketing warfare are reviewed. The role of marketing within the overall corporate strategy is discussed and the various components of the marketing planning process rigorously examined. Moreover, both the internal and external environments of the firm are analyzed. The process of setting strategic and tactical objectives is examined and at the same time alternative ways for achieving the strategic objectives are explored. The course also analyzes methods for implementing marketing strategies and reviews various control mechanisms.

BPA 454 Business-to-Business Marketing (6 ECTS)
Prerequisite: BPA 251
The application of marketing management in relation to organizations is examined. The course reviews the characteristics of the organizational market and analyzes the behavior of the organizational buyer. It examines the role of marketing intelligence and methods of segmenting the organizational market. The process of marketing planning and strategy formulation in organizational business is also reviewed. Various aspects of the business-to-business marketing mix, such as new product development, pricing, distribution channels and communications are critically examined. Insights are also provided into the organization and control of business-to-business marketing strategies.

BPA 455 Seminars in Marketing/Management (6 ECTS)
Prerequisites: BPA 131, BPA 251 or approval by the instructor
A variety of advanced topics related to marketing management are discussed, including: the internationalization process of the firm, the interaction approach to the buyer-seller relationships, and the application of information technology. The course relies heavily on the latest developments in the academic literature and aims at stimulating interest in future research.

BPA 456 Electronic Marketing (6 ECTS)
Prerequisite: BPA 251
The course presents the ways in which existing concepts, theories and models of Marketing and Business Administration in general can be used as a basis for designing, developing and implementing effective strategies of electronic marketing. There is a particular emphasis on: a) presenting different ways of utilizing the internet to enhance the effectiveness and efficiency of the traditional mode of marketing, b) the integration of electronic marketing in the existing design tools of marketing, and c) the development of marketing strategies that are based exclusively on the internet.

BPA 494 Senior Thesis in Marketing I (6 ECTS)
Conducting research on theoretical issues or working on practical problems in the area of marketing.

BPA 495 Senior Thesis in Marketing II (6 ECTS)
Conducting research on theoretical issues or working on practical problems in the area of marketing.
### TABLE A: GENERAL DEGREE REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>ECTS</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>Foreign Language (English)</td>
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<td>Six (6) Depth Courses and Five (5) Breadth Courses from the Faculty of Economics and Management 66*</td>
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<td>General Education</td>
<td>50</td>
<td>Senior Thesis OR one (1) Depth and one (1) Breadth Course 12</td>
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<td>Elective Courses</td>
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*For Marketing: seven (7) Depth and four (4) Breadth Courses (66 ECTS)*

### TABLE B: COMPULSORY COURSES

<table>
<thead>
<tr>
<th>Requirement</th>
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<tr>
<td><strong>Foreign Language</strong></td>
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</tr>
<tr>
<td>LAN 100 General Advanced English</td>
<td>5</td>
<td>AFN 111 Financial Accounting Principles 7</td>
</tr>
<tr>
<td>LAN 101 Academic English</td>
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<td>BPA 131 Principles and Practices of Management 6</td>
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<tr>
<td>TOTAL</td>
<td>10</td>
<td>AFN 211 Managerial and Cost Accounting 7</td>
</tr>
<tr>
<td><strong>General Education</strong></td>
<td></td>
<td>AFN 222 Corporate Financial Management 7</td>
</tr>
<tr>
<td>ECO 111 Principles of Microeconomics</td>
<td>7</td>
<td>BPA 231 Organizational Behaviour 6</td>
</tr>
<tr>
<td>ECO 121 Principles of Macroeconomics</td>
<td>7</td>
<td>BPA 232 Data Analysis in Business Administration or 6</td>
</tr>
<tr>
<td>MAS 001 Mathematics I</td>
<td>6</td>
<td>MAS 062 Statistical Analysis II 6</td>
</tr>
<tr>
<td>MAS 002 Mathematics II</td>
<td>6</td>
<td>BPA 235 Introduction to Critical Thinking for Management Students 6</td>
</tr>
<tr>
<td>MAS 061 Statistical Analysis I</td>
<td>6</td>
<td>BPA 241 Introduction to Operations Management 6</td>
</tr>
<tr>
<td>CS 032 Programming Methods for Problem Solving</td>
<td>7</td>
<td>BPA 244 Business Information Technology 7</td>
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<tr>
<td>SPS 101 Introduction to Sociology or</td>
<td>6</td>
<td>BPA 251 Principles of Marketing 6</td>
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<tr>
<td>(LAN 201 Business Communication for Management)</td>
<td>5</td>
<td>BPA 332 Business Ethics 6</td>
</tr>
<tr>
<td>PSY 100 Introduction to Psychology</td>
<td>5</td>
<td>BPA 464 Entrepreneurship and Innovation 6</td>
</tr>
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<td>TOTAL</td>
<td>50(or 49)</td>
<td>BPA 435 Business Policy 7</td>
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<td>BPA 131 Principles and Practices of Management</td>
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<td>BPA 231 Organizational Behaviour</td>
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<td>BPA 232 Data Analysis in Business Administration</td>
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<td>BPA 332 Business Ethics</td>
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<td>BPA 464 Entrepreneurship and Innovation</td>
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<tr>
<td>BPA 435 Business Policy</td>
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</table>

**Note:** Students who wish to be exempted from certain compulsory courses, or who wish to take a more individual and independent study approach, must discuss such options with their Academic Advisor to ensure that they fulfill all the requirements for the degree.
### TABLE C: DETAILED PROSPECTUS OF THE CURRICULUM

<table>
<thead>
<tr>
<th>First Year - Fall Semester</th>
<th>ECTS</th>
<th>First Year - Spring Semester</th>
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<td>ECO 111 Principles of Microeconomics</td>
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<td>ECO 121 Principles of Macroeconomics</td>
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<td>MAS 001 Mathematics I</td>
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<td>MAS 002 Mathematics II</td>
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<td>LAN 101 Academic English</td>
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</tr>
<tr>
<td>PSY 100 Introduction to Psychology</td>
<td>5</td>
<td>CS 032 Programming Methods for Problem Solving</td>
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<table>
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<th>Second Year – Fall Semester</th>
<th>ECTS</th>
<th>Second Year – Spring Semester</th>
<th>ECTS</th>
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<tbody>
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<td>AFN 222 Corporate Financial Management</td>
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<td>BPA 251 Principles of Marketing</td>
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<td>BPA 231 Organizational Behaviour</td>
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<tr>
<td>BPA 241 Introduction to Operations Management</td>
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<td>BPA 244 Business Information Technology</td>
<td>7</td>
</tr>
<tr>
<td>MAS 061 Statistical Analysis I</td>
<td>6</td>
<td>BPA 232 Data Analysis in Business Administration or</td>
<td>6</td>
</tr>
<tr>
<td>SPS 101 Introduction to Sociology or</td>
<td>6</td>
<td>MAS 062 Statistical Analysis II</td>
<td>6</td>
</tr>
<tr>
<td>LAN 201 Business Communication for Management</td>
<td>5</td>
<td>BPA 235 Introduction to Critical Thinking for Management Students</td>
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<thead>
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<th>Third Year - Spring Semester</th>
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<td>BPA 332 Business Ethics</td>
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<td>Two Business Depth Courses</td>
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<tr>
<td>BPA 435 Strategic Management</td>
<td>7</td>
<td>BPA 464 Entrepreneurship and Innovation</td>
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</tr>
<tr>
<td>Two Business Depth Courses or One Business Depth Course and One Business Breadth Course from FEM</td>
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<td>One Business Breadth Course (from FEM) or One Business Depth Course</td>
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<td>One Elective Course</td>
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<td>Two Elective Courses</td>
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<td>Senior Thesis or one Business Depth Course or one Business Breadth Course</td>
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<td>Senior Thesis or one Business Depth Course or one Business Breadth Course</td>
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</tbody>
</table>
**TABLE D: COMPULSORY COURSES**

<table>
<thead>
<tr>
<th>Management</th>
<th>ECTS</th>
<th>Management</th>
<th>ECTS</th>
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</thead>
<tbody>
<tr>
<td>BPA 460 Advanced Topics in Strategy (Prerequisites for BPA 435)</td>
<td>6</td>
<td>BPA 441 Production Planning (Prerequisites: BPA 341, BPA 343)</td>
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<tr>
<td>BPA 462 Advanced Organizational Behaviour</td>
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<td>BPA 443 Stochastic Systems (Prerequisites: BPA 343, MAS 061, MAS 062)</td>
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<tr>
<td><strong>Selection of four courses from the following:</strong></td>
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<td>BPA 444 Manufacturing Strategy (Prerequisite: BPA 341)</td>
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<tr>
<td>BPA 332 Business Ethics</td>
<td>6</td>
<td>BPA 445 Management of Service Operations</td>
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</tr>
<tr>
<td>BPA 334 Human Resource Management</td>
<td>6</td>
<td>BPA 446 Applications of Neural Networks in Business (Prerequisites: MAS 001, MAS 002, MAS 061, MAS 062)</td>
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</tr>
<tr>
<td>BPA 335 Cross-Cultural Management</td>
<td>6</td>
<td>BPA 447 Quantitative Methods in Business III (Prerequisite: BPA 346)</td>
<td>6</td>
</tr>
<tr>
<td>BPA 336 Business Communication</td>
<td>6</td>
<td>BPA 449 Current Topics in Management Science (Prerequisites: BPA 241, BPA 343)</td>
<td>6</td>
</tr>
<tr>
<td>BPA 337 * Industrial Relations</td>
<td>6</td>
<td><strong>Up to two of the following courses can substitute for the courses listed above</strong></td>
<td></td>
</tr>
<tr>
<td>BPA 338 * Qualitative Methods in Business Administration</td>
<td>6</td>
<td>ECO 222 Introduction to Econometrics (Prerequisites for: BPA 241)</td>
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<tr>
<td>BPA 431 * Gender, Work and Organizations</td>
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<td>ECO 223 Economic Mathematics II</td>
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<tr>
<td>BPA 432 Management of Innovation</td>
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<td><strong>Management</strong></td>
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<tr>
<td>BPA 434 Entrepreneurship</td>
<td>6</td>
<td>BPA 351 Marketing Research</td>
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</tr>
<tr>
<td>BPA 436 Leadership</td>
<td>6</td>
<td>BPA 352 Consumer Behaviour</td>
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</tr>
<tr>
<td>BPA 438 * International Management</td>
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<td>BPA 353 Sales Management</td>
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<tr>
<td>BPA 439 Public Administration</td>
<td>6</td>
<td>BPA 354 Marketing Communications</td>
<td>6</td>
</tr>
<tr>
<td>BPA 463 * Negotiation and Conflict Resolution</td>
<td>6</td>
<td>BPA 355 Distribution Management*</td>
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<tr>
<td><strong>Selection of three courses from the following:</strong></td>
<td></td>
<td>BPA 452 International Marketing</td>
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<tr>
<td>BPA 341 Operations Management</td>
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<td>BPA 453 Strategic Marketing</td>
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</tr>
<tr>
<td>BPA 342 Logistics and Distribution (Prerequisite: BPA 241)</td>
<td>6</td>
<td>BPA 456 Electronic Marketing</td>
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</tr>
<tr>
<td>BPA 344 Network Modeling and Dynamic Programming (Prerequisite: BPA 241)</td>
<td>6</td>
<td><strong>This is a Business Depth course for an exemption from Senior Thesis</strong></td>
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</tr>
<tr>
<td>BPA 345 Management and Improvement of Quality (Prerequisites: MAS 061, MAS 062)</td>
<td>6</td>
<td><strong>To fulfill the requirements of the Marketing major students must take seven (7) Depth Courses, as indicated above. Each Depth course corresponds to 6 ECTS. Moreover, students must take four (4) Breadth courses that are offered by the other majors in the Department of Business and Public Administration.</strong></td>
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</tr>
<tr>
<td>BPA 346 Quantitative Methods In Business II (Prerequisites:MAS 061, MAS 062)</td>
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<tr>
<td>BPA 424 Financial Modeling (Prerequisites: BPA 322, BPA 343)</td>
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### Compulsory courses

<table>
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<tr>
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<tr>
<td>BPA 131</td>
<td>Principles and Practices of Management</td>
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<td>BPA 244</td>
<td>Business Information Technology</td>
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<td>AFN 211</td>
<td>Managerial and Cost Accounting</td>
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<td>AFN 222</td>
<td>Corporate Financial Management</td>
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<td>BPA 231</td>
<td>Organizational Behaviour</td>
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</tr>
<tr>
<td>BPA 241</td>
<td>Introduction to Operations Management</td>
<td>6</td>
</tr>
<tr>
<td>BPA 251</td>
<td>Principles of Marketing</td>
<td>6</td>
</tr>
<tr>
<td>BPA 435</td>
<td>Strategic Management</td>
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### Elective courses from Management

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<tr>
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<td>BPA 332</td>
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<td>BPA 334</td>
<td>Human Resource Management</td>
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<td>BPA 335</td>
<td>Cross-cultural Management</td>
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<td>BPA 336</td>
<td>Business Communication</td>
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<td>BPA 337</td>
<td>Industrial Relations</td>
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<td>BPA 338</td>
<td>Qualitative Research Methods in Business</td>
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<tr>
<td>BPA 431</td>
<td>Gender, Work and Organizations</td>
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<td>BPA 432</td>
<td>Innovation Management</td>
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</tr>
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<td>BPA 436</td>
<td>Leadership</td>
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<td>BPA 438</td>
<td>International Management</td>
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<td>BPA 439</td>
<td>Management of Public Organizations</td>
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<td>BPA 460</td>
<td>Advanced Topics In Strategy</td>
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<td>BPA 462</td>
<td>Advanced Organizational Behaviour</td>
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<td>BPA 463</td>
<td>Negotiations and Conflict Management</td>
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<td>BPA 464</td>
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### Elective courses from Management Science

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<td>BPA 343</td>
<td>Applied Mathematical Modeling</td>
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<td>BPA 344</td>
<td>Network Modeling and Dynamic Programming</td>
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<td>BPA 345</td>
<td>Management and Improvement of Quality</td>
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<td>BPA 347</td>
<td>Management Information Systems</td>
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<td>Case Studies in Business Modeling</td>
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<td>BPA 442</td>
<td>Linear and Nonlinear Programming</td>
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</tr>
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<td>BPA 445</td>
<td>Management of Service Operations</td>
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### Elective courses from Marketing

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<td>BPA 352</td>
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<tr>
<td>BPA 353</td>
<td>Sales Management</td>
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<td>BPA 355</td>
<td>Distribution Management</td>
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<td>BPA 356</td>
<td>Communicative Marketing</td>
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<td>BPA 446</td>
<td>Electronic Marketing</td>
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<td>BPA 452</td>
<td>International Marketing</td>
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<td>BPA 453</td>
<td>Strategic Marketing</td>
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</table>
**Introduction**

the behaviour of human beings both as individuals and as organised society. As individuals, we continuously face economic problems, such as whether and how much to save, what goods and services to purchase, and how to increase and use our income to satisfy the multitude of our economic needs. Societies, too, continuously face economic problems, such as inflation, unemployment and balance-of-payments disequilibrium. A nation’s effective solution to these problems determines its standard of living and consequently its ranking in the international community.

Understanding the economic behaviour of the individual and the basic principles that govern the functioning of a modern economy enables the economist to evaluate economic indicators and information correctly and to make rational decisions. With such knowledge, the economics graduate can pursue a career in civil service, banking, education or research and earn an important position in the public or private sector.

The challenging economics programme offered by the Department enables its graduates to compete effectively in an increasingly competitive world. Our graduates have the necessary prerequisites to pursue graduate studies either at the University of Cyprus or at foreign universities of international reputation, and many have been admitted to prestigious graduate programmes in the UK and the USA, some with very generous scholarships. Upon graduation from doctoral programmes, several of these students have secured academic positions abroad.

**OBJECTIVES OF THE DEPARTMENT**

The aim of the Department is to advance economic discourse at the national and international level and to promote knowledge in the field of International and European Economic Relations. In particular, the objectives of the Department are to:

(a) Equip students with the qualifications necessary for employment in Cyprus and the EU and comparable to those of the best universities abroad.
(b) Prepare students for graduate studies and research in Cyprus and at top universities abroad.
(c) Engage in research with a view to producing results of high international academic standard.
(d) Set the standards for the discussion of European and International economic issues and appropriate economic policy decisions.

The Department’s teaching philosophy is to encourage students to study economic and European Economic Relations issues in depth using independent thinking. For this reason, the emphasis in the teaching programme is to help students develop strong analytical skills and acquire the ability to critically assess economic arguments.

UNDERGRADUATE DEGREE PROGRAMMES
The Department of Economics offers undergraduate studies leading to:

(a) A degree in Economics
(b) A degree in International, European and Economic Studies.

The programmes include Basic Courses in economic theory, statistics and econometrics, mathematical economics and several field courses in Economics and European Economics. An essential prerequisite for admission to the Department is good knowledge of English and Mathematics.

The analytical programmes of study for the degree in Economics and for the degree in International, European and Economic Studies are outlined in Tables A-F.

It should also be noted that:

(a) The list of Elective Courses is indicative and is subject to modification at the beginning of each semester. The number of selected courses must be such as to ensure that the degree requirements are satisfied.
(b) The lists of Elective Courses can be extended to include courses offered by other departments.
(c) A course may be withdrawn if student demand is low or there is no member of staff available to teach it.

REQUIREMENTS FOR THE DEGREE IN ECONOMICS
To acquire a degree in Economics students must complete at least 240 ECTS of which:

a) 151 ECTS must be taken in the Department of Economics (courses with code ECO).
b) 32-36 ECTS must come from a list of Restricted Elective Courses approved by the Department or from other Departments (Table C) or the Department of Economics (Table B – above the 151 ECTS mentioned in (a) above).
c) 18 ECTS from the courses MAS 001, MAS 061 and CS 003 which the students attend during their first year of studies.
d) 20-24 ECTS must be Elective Courses taken from at least three different faculties of the University. Students may take maximum two sport courses - 6 ECTS in total - which will count as one Elective Course.
e) 15 ECTS must be from the English Language.

MINOR IN ECONOMICS
The Department of Economics offers a Minor in Economics for a limited number of students in other departments of the University. Table D shows the requirements for a Minor in Economics.

REQUIREMENTS FOR THE DEGREE IN INTERNATIONAL, EUROPEAN AND ECONOMIC STUDIES
To graduate with a degree in International, European and Economic Studies, students must complete at least 240 ECTS, out of which:

a) At least 111 ECTS must be from the Department of Economics (course codes ECO) from which 63 ECTS refer to Compulsory Courses.
b) 22 ECTS must be Elective Courses. These courses have to be taken from at least three different faculties of the University. Students may take maximum two sport courses -6 ECTS in total- which count as one Elective Course.
c) At least 25 ECTS must be from a list of specific courses from the Department of Accounting and Finance (course codes AFN).
d) At least 12 ECTS must be from a list of specific courses from the Department of Social and Political Sciences (course codes SPS).
e) At least 12 ECTS must be from a list of specific courses from the Department of Law (course codes LAW).
f) At least 10 ECTS must be from a list of specific courses from the Department of History and Archaeology (course codes HIS).
g) 18 ECTS must be Compulsory Courses from other departments.
h) At least 15 ECTS as English language courses.
i) At least 15 ECTS must be in another foreign language (3 levels required).

Students who wish to pursue the Courses LAW 201 and LAW 202 in the third year are encouraged to take the Introductory Course LAW 101 Introduction to Legal Method and the Study of Law -7 ECTS)

1. HIS (see list of courses below) 5
   LAN 209 Advance English for Global Communication 5
ADDITIONAL INFORMATION FOR THE DEGREE IN ECONOMICS AND THE DEGREE IN INTERNATIONAL, EUROPEAN AND ECONOMIC STUDIES

a) Certain courses carry prerequisites as shown in the description of courses. Where the same course is offered at two levels (I and II), the first-level course is generally prerequisite for the second level. Students who select a course without taking its prerequisite will face the penalty of not being credited with the ECTS of the above course.

b) Restricted Elective Courses include all courses offered by our Department and selected courses from other departments of the University.

An Elective Course may be any course offered by any other department of the University.

Students are free to decide when to take a Restricted Elective Course or an Elective Course, based on their programme.

c) Undergraduate students of the Department can enrol in a maximum of two of the following four graduate courses provided they have an overall grade at least 7.5:

- ECO 651 Microeconomic Analysis II 7.5 ECTS
- ECO 652 Macroeconomic Analysis II 7.5 ECTS
- ECO 653 Statistics and Econometrics II 7.5 ECTS
- ECO 673 Applied Microeconometrics 7.5 ECTS

These courses may be considered either in Group A or Group B of the Restricted Elective Courses offered by the Department (Table C) depending on the student’s programme.

Students admitted to the graduate programmes of the Department, will not be required to take these courses again.

The new interdisciplinary undergraduate programme in Mathematics and Economics has also been introduced for the academic year 2013-2014, leading to a combined degree in Mathematics and Economics.

COURSE DESCRIPTIONS

ECO 101 Introduction to Economics (6 ECTS)

An introductory course in Economics designed for students of other departments (except Public and Business Administration). The objective of this course is to introduce students to the economic way of thinking and covers both microeconomic and macroeconomic topics. The microeconomic topics include the introduction to the basic tools of economic analysis, demand and supply and market equilibrium, production and cost, market structures and business organization, public sector and the economy. The macroeconomic topics include measurement of GDP and of the price level, unemployment and inflation, aggregate demand and supply, fiscal policy, money and the banking system monetary policy and inflation.

ECO 111 Principles of Microeconomics (7 ECTS)

General introduction to Economics; Tools of economic analysis; demand, supply and the market; Behaviour of the consumer; Behaviour of the producer; Market structures and business organisation; Factor markets; Public sector and the economy.

ECO 121 Principles of Macroeconomics (7 ECTS)

Introduction to the basic topics of modern Macroeconomics. The following topics are covered: The economist’s way of thinking, measurement of GDP and price level, long-run growth, saving, investment and the financial system, the phenomenon of unemployment, Central Banks and monetary policies, the causes and consequences of inflation, the balance of international payments and exchange rates, aggregate demand and aggregate supply, the importance of monetary and fiscal policies, the relationship between inflation and unemployment.

ECO 211 Microeconomic Theory (7 ECTS)

Prerequisite: ECO 111

The course comprises the systematic study of modern Microeconomic Theory, the law of supply and demand, indifference curves and modern consumer theory, theory of production, costs of production and market structures (perfect competition, monopoly, monopolistic competition, and oligopoly), choice under uncertainty.

ECO 212 Application of Quantitative Methods in Economics (7 ECTS)

Prerequisite: MAS 061


ECO 213 Mathematics for Economists I (7 ECTS)

Prerequisite: MAS 001

The purpose of the course is to give an introduction to the basic mathematical methods used in economics. The course consists of the following parts: (1) Introduction (set theory, numbers, functions) (2) Sequences, series, limits (3)Continuity of functions (4) Differentiation of functions of one variable (5) Optimization of functions of one variable (6) Matrix algebra, systems of linear equations (7) Differentiation of multivariable functions (8) Optimization of multivariable functions (9) Constrained optimization.

ECO 221 Macroeconomic Theory (7 ECTS)

Prerequisite: ECO 121


ECO 222 Introduction to Econometrics (7 ECTS)

Prerequisite: ECO 212

Multivariate and conditional distributions and moments. Sampling distributions. Specification of statistical models: the

ECO 223 Mathematics for Economists II (7 ECTS)
Prerequisite: ECO 213
This course examines deeper some topics of ECO 213 and also deals with dynamic analysis. In particular, we study the following parts: (1) Differentiation of multivariable functions, constrained optimization, Kuhn-Tucker conditions (2) Integration (3) Matrix algebra, systems of linear equations (4) Vector spaces, eigenvalues, eigenvectors (5) Mathematics for dynamic systems, difference equations, differential equations (6) optimal control theory.

ECO 301 Topics in Microeconomics (7 ECTS)
Prerequisite: ECO 211
Consumer and producer theory are examined again using tools from duality theory. The course also studies in greater depth the various market structures (perfect competition, monopoly, monopolistic competition and oligopoly) and covers an introduction to game theory. Other topics covered include the labour and capital markets, the theory of general equilibrium and the efficiency of perfect competition, the theory of welfare economics, public goods and externalities and the economics of information.

ECO 302 Topics in Macroeconomics (7 ECTS)
Prerequisite: ECO 221
The course critically examines the determinants of inflation and unemployment; policy responses; monetisation of budget deficits (higher taxation or higher national debt?). Consequences of monetary and fiscal policy on exchange rates. International policy coordination and independence. Modern growth and business cycle theory.

ECO 303 Econometrics (7 ECTS)
Prerequisite: ECO 222

ECO 305 International Trade (6 ECTS)
Prerequisite: ECO 211
Absolute and comparative advantage in trade, trade and income distribution, resources and trade, international factor movements, economies of scale, imperfect competition and trade, instruments of trade policy, the political economy of trade policy, trade policy in developing countries, and industrial policy in advanced countries.

ECO 306 International Finance (6 ECTS)
Prerequisite: ECO 221
National income and balance of payments accounting, the building up of an asset market based model of exchange rate and output determination, macroeconomic policy in an open economy, fixed exchange rates versus flexible exchange rates, the international monetary system, international macroeconomic policy coordination, European Monetary Union and the European Monetary System, and international debt crisis.

ECO 308 Economic Development (6 ECTS)
Prerequisite: ECO 221
The course examines various aspects of the process of economic development. After a brief introduction to the position of developing countries in the world economy, it investigates several theories explaining the transformation of an agrarian economy into an industrial one. Subsequently, the importance of the agricultural sector, international trade, physical and human capital are examined in greater detail.

ECO 309 Economic Growth (6 ECTS)
Prerequisite: ECO 221
The course studies the theories of the empirical research on economic growth. In particular: (i) Growth models with exogenous saving rates (the Solow-Swan model); (ii) Growth models with consumption optimisation (the Ramsey model); (iii) One-and two-sector models of endogenous growth, with special attention to the role of human capital; (iv) Models of technological change with an expanding variety of products, and models with improvements in the quality products; and (v) The diffusion of technology. Finally, the course examines the data on economic growth, growth accounting, and the empirical analysis of a cross-section of countries.

ECO 310 Money, Banking and Financial Markets (6 ECTS)
Prerequisite: ECO 221
Money demand, money creation, instruments and targets of monetary policy, monetary transmission mechanism, banking system and financial markets, role of the central bank, structure of interest rates, portfolio selection.

ECO 311 Labour Economics (6 ECTS)
Prerequisite: ECO 221
The course examines the labour market and the effects of economic policy on employment and wages. The relationship between wages and employment opportunities, the way in which economic incentives affect occupational choices, the relationship between wages and the employment environment, the incentives for and the effects of human capital accumulation, as well as the effects of labour unions on wages and labour productivity are also examined. Finally, the effects of different policy measures, such as minimum wage laws, unemployment benefits, and labour income taxes, on the labour market and the welfare of workers are examined.

ECO 312 Industrial Organization (6 ECTS)
Prerequisite: ECO 221
An introductory course to the field of Industrial Organization. Its main objective is to set out the theoretical foundations underlying the economics of industrial markets where firms have market power. The principles for the design of an effective Industrial Policy will also be developed during the course.

ECO 313 Public Economics (6 ECTS)
Prerequisite: ECO 221
The scope and rationale of public sector economics. Taxation and the household, Taxation and the firm. Optimal tax theory and the
structure of direct and indirect taxation. Tax incidence and the
distribution of tax burden. The determinants and effects of
public expenditure. Public sector pricing and the provision of
public goods. The social security system. Simulation and
evaluation of tax-benefit systems. The tax system in Cyprus and
comparison with other countries.

**ECO 315 International Taxation and National Policy (6 ECTS)**
**Prerequisite: ECO 211**
The ongoing process of increased integration of national
economies places restrictions on national fiscal policies. This
course focuses on the interactions between national and
international taxation and their effect on the economy of a given
country. It introduces basic concepts of international taxation
and analyses the international transmission of various fiscal and
budget policies. It then analyses the implications of tax
competition, tax harmonisation, capital flight, external
imbalance, and the terms of trade for the design of efficient
national tax systems. It also examines how various characteristics
of the international tax regime can reflect on the international
allocation of investment, production and welfare.

**ECO 316 Economics of the European Union (6 ECTS)**
**Prerequisite: ECO 111**
Theory of economic integration, history of unification efforts of
Europe, basic statistics of Europe, Institutions of the European
Union, budget, tax harmonisation, European monetary union,
foreign trade and economic policies of the European Union,
relations between Cyprus and the European Union and the
common policies of the European Union.

**ECO 317 Topics in European Economic Integration (6 ECTS)**
**Prerequisite: ECO 221**
The course examines various issues that concern the economies
of the European Union members: the economic and monetary
union, the economic policy at the EU level and the mechanisms
of implementation at the country level.

**ECO 320 History of Economic Thought (6 ECTS)**
The course will trace the evolution of economic thought from
antiquity to the present day. Emphasis will be given on specific
key ideas rather than on comprehensive theories of economic
systems, and on the linkages between economic thinking and
other historical and social phenomena. The course is divided in
three units. The first unit will trace the roots of key economic
ideas in the writings of the ancients, the scholastics, the
mercantilists and the physiocrats. The second unit will focus on
the analysis of the market economy as developed by the classical
economists and on the critique articulated by Marx and others.
The third unit will examine important 20th century
developments (institutionalism, Keynesianism, the Austrian
school, monetarism, etc.) and will end with an assessment of the
status of economic thinking today. The course is intended for a
broad audience and does not require any prior knowledge of
economics.

*Students who wish to pursue the course combination LAW 201
and LAW 202 in the third year are encouraged to take the
introductory course LAW 101 Introduction to Legal Method and
the Study of Law (7 ECTS).*

**ECO 324 Introduction to Political Economy and Public Policy (6 ECTS)**
**Prerequisite: ECO 211**
This course introduces students to the application of the
theoretical tools of economics to understand the functioning of
political institutions, political systems and the policy making
process and their effect on public policy and economic
performance. The course will focus on game theoretical models
that build upon formal reasoning and mathematics. Political
behaviour and its outcomes are then explained by the
interaction between the political players who are rational and
goal oriented. The topics that will be covered include group
choice problems, voting, legislative bargaining, fiscal policy and
redistribution, regulation and the impact of institutions on
political and economic outcomes.

**ECO 326 Urban and Regional Economics (6 ECTS)**
**Prerequisite: ECO 211**
The course is designed to familiarise students with the current
knowledge about the causes of the observed differences in the
pace of regional economic development across different
countries. Models of regional growth and development and how
they formulate economic policy are examined. Moreover,
socioeconomic impact analysis to forecast sub-national
economic change is considered.

**ECO 327 Environmental Economics (6 ECTS)**
**Prerequisite: ECO 211**
The course applies the tools of economics to the analysis of
environmental problems and public policy formulation. It
examines why environmental problems occur and how that
understanding can guide our choice among the policy tools
available to address the problems. With economic theory and
tools in hand, students learn about environmental policies as
they currently exist in the European Union and the United States
of America.

**ECO 331 Productivity and Technology (6 ECTS)**
**Prerequisite: ECO 211**
The objective of the course is the presentation of different
methods assessing productivity and technological change. It
requires knowledge of producer theory and basic econometrics.

**ECO 335 Topics in International Economics (6 ECTS)**
**Prerequisite: ECO 305**
The course examines the International Economy and the
environment in which multinational corporations operate. It
analyses the purpose and rules of the World Trade Organization,
as well as other international organizations. Regional trade
agreements, like the European Union and NAFTA, are also
examined. In addition, the course analyses foreign exchange
markets and the different strategies multinational corporations
use to take advantage of opportunities.

**ECO 362 Structure and Strategy of Firms (6 ECTS)**
**Prerequisite: ECO 312**
The course examines the practices and strategies of profit-
maximising firms under various market conditions. The course
first reviews the different market structures and examines topics
such as pricing, choice of quality, entry deterrence strategies and
predatory and limit pricing. It also covers issues on the relations
between producers and distributors such as vertical integration.
and vertical restrictions, the role of advertising as a means of improving consumer information and the role of innovations in the production of durable goods.

ECO 363 Regulation Theory and Policy (6 ECTS)
Prerequisite: ECO 211

The course analyzes the motives, methods and consequences of government intervention in the economy. What is the objective of government intervention? What tools do authorities have at their disposal? What are the consequences - intended or unintended - of state intervention? Topics will include the regulation of monopolies, mechanisms for the distribution of monopoly rights and issues of market design. Emphasis will be given to newly created markets in key sectors such as energy and electronic communications. The course will also examine the main pillars of Competition Policy, which aims to secure the proper functioning of markets using mostly ex post intervention.

ECO 370 Topics in Financial and Monetary Economics (6 ECTS)
Prerequisites: ECO 111 and ECO 221

The objective of the course is the analysis of the main theories of asset pricing and financial decision making under uncertainty, as well as the application of these models and theories. The course will cover consumption asset pricing models with one period, portfolio choice and asset pricing (including expected returns, risk aversion, the mean-variance theorem, the Capital Asset Pricing Model (CAMP), the Consumption CAMP, the arbitrage and the linear factor models), as well as interest rate and bond pricing models. The course will also apply the above theories as well as estimate and test asset pricing models.

ECO 398 Topics on the Cyprus Economy (6 ECTS)
Prerequisites: ECO 211 and ECO 221

The aim of the course is to expose students to important economic issues and problems facing the Cyprus economy. This course is designed to combine theory with practice by showing how economic principles can illuminate the workings of the Cyprus economy. This course, therefore, builds on earlier economic theory and policy courses. Topics covered include: review of economic developments during 1960-1998; balance of payments issues; exchange rate policy; monetary policy; implications of the single market and economic and monetary union; effects of financial reform and liberalisation; inflation and unemployment. The course also looks at some econometric models and empirical applications to the above topics.

ECO 399 Bachelor Thesis I (6 ECTS)
Prerequisites: ECO 211, ECO 221 and ECO 212

The course is the first part of a research project that investigates an economic problem involving the Cypriot or the international economy. During this part, students review the international bibliography, prepare the theoretical part of their research project and make decisions about the data and the software that they will use in the second part (ECO 499 Seminar B) of this research project. Each student presents his/her work in front of an audience of professors and students.

ECO 415 Game Theory (6 ECTS)
Prerequisite: ECO 301

The course develops and analyses the basic principles of Game Theory. Game Theory considers decision making by strategically interacting agents. The course will examine static and dynamic games with complete and incomplete information. It will also examine several economic applications such as bargaining, auctions, mechanism design, signaling and reputation.

ECO 473 Applied Econometrics (6 ECTS)
Prerequisite: ECO 303

Brief review of the classical linear model. Econometric models of cross-section data and time-series data. Economic applications and the use of specialised econometric software are emphasised. Topics will be drawn from: (a) models of multiple equations, (b) models of limited dependent variables, (c) elements of time-series analysis and models for macro and financial data.

ECO 499 Bachelor Thesis II (8 ECTS)
Prerequisite: ECO 399

The course is the continuation of the research project begun in ECO 399 Seminar A. In this second part, students are asked to use statistical data and software, and in general, to use their theoretical and applied knowledge to investigate economic problems of local or international interest. Students complete their research project, presenting results obtained to an audience of professors and students and writing up the research findings.

MAS 101 Calculus I (8 ECTS)

Properties of real numbers. The supremum and infimum of a set and their basic properties. Sequences, limits of sequences, properties of convergent sequences, subsequences, basic theorems, nested intervals Property (briefly covered). Functions, limits of functions, sequential definition of limits. Continuous functions, intermediate value Theorem, extreme value Theorem, continuity of inverse functions, uniform continuity. Derivatives, basic theorems, derivatives of inverse functions, graphs of functions, Rolle’s Theorem, Cauchy’s mean value Theorem, l’Hospital’s rule.

MAS 102 Calculus II (8 ECTS)


MAS 121 Linear Algebra I (8 ECTS)


MAS 122 Linear Algebra II (8 ECTS)

Required essential knowledge: MAS 101

MAS 131 Basic Mathematics (8 ECTS)

MAS 202 Multivariate Integral Calculus (8 ECTS)
Integrals of continuous functions with compact support (on \( Q = [a_1, b_1] \times [a_2, b_2] \times \ldots \times [a_n, b_n] \)), step functions. Theorem of transformation of variables (for linear and non-invertible transformations). Integrable functions and sets, properties. Computation of volumes, Fubini's Theorem, Cavalieri's Principle (i.e. sphere, cylinder, cone). Convergence theorems (interchangeability of limit and integral). Transformations theorems (without proof), applications. Parametrised surfaces, partition of unity. Surface and curve integrals (computation of area of surfaces). Differential forms, Stokes' Theorem (Green, Gauss, Stokes), applications.

MAS 203 Ordinary Differential Equations (8 ECTS)

MAS 211 Multivariate Differential Calculus (8 ECTS)
Vector valued functions of one variable (differentiation, arc length, parameter transformations). Partial derivatives (of all orders), vector fields (divergence, curl), Laplace operator. Total differential (directional derivative, differentiability criterion, computational rules, chain rule, etc). Mean value Theorem, differentiability of integrals with respect to a parameter. Taylor's Theorem, local extrema. Implicit and inverse function Theorem. Conditional extrema (Lagrange multipliers).

MAS 261 Introduction to Probability (8 ECTS)
Required essential knowledge: MAS 101 and MAS 102
Probability, random variables, distribution functions, independence, expected value, moment generating functions, random vectors, conditional distribution, conditional expected value, laws of large numbers, central limit theorem.

MAS 262 Introduction to Statistics (8 ECTS)

MAS 301 Real Analysis (8 ECTS)
The real number system \( \mathbb{R} \), the least upper bound property and its consequences. Countable and uncountable sets. The Cantor ternary set. Introductory theory of metric spaces. The metric spaces \( \mathbb{R} \) and \( \mathbb{R}^n \). Compact sets. Heine – Borel Theorem, Bolzano – Weierstrass Theorem. Sequences of real numbers, limit superior and inferior of a sequence. Cauchy sequences, series of real numbers. Complete metric spaces, Cantor intersection Theorem, the fixed point Theorem and applications. Continuous functions. Topological characterisation of continuity. Continuity and compactness. Uniform continuity, Lipschitz functions. Sequences and series of functions. Pointwise convergence, uniform convergence. Uniform convergence and continuity, uniform convergence and integration, uniform convergence of integrals. The space \( C ([a,b]) \), the topology of uniform convergence.

MAS 302 Complex Analysis I (8 ECTS)

MAS 303 Partial Differential Equations (7 ECTS)

MAS 304 Functional Analysis (7 ECTS)
Metric spaces: Examples and elements of the theory of metric spaces. Banach spaces: Norm, dimension and compactness, bounded operators, linear functionals, dual space, the spaces \( l^p, 1 \leq p \leq \infty \), Hilbert spaces: Inner products, orthogonality, orthonormal bases, the Riesz representation theorem, the adjoint operator, self – adjoint, unitary and normal operators. Fundamental theorems for Banach spaces: the Hahn–Banach theorem, reflexive spaces, the uniform boundedness theorem, weak and strong convergence, the open mapping and closed graph theorems. Applications: The fixed point theorem and its applications to the theory of linear, integral and differential equations, applications to the theory of approximation. 7th Semester.

MAS 321 Introduction to Algebra (7 ECTS)

MAS 331 Classical Differential Geometry (8 ECTS)
Curves in \( \mathbb{R}^3 \) (parametrisation, orientation, length). Curves in \( \mathbb{R}^n \) (normal field, curvature, Frenet frame). Isoperimetric inequality. Curves in \( \mathbb{R}^2 \) (curvature, torsion, Frenet frame). Surfaces in \( \mathbb{R}^3 \): parametrisation, tangent plane, first and second fundamental form, curvature (Gaussian, mean), geometric interpretation of curvature, examples. Intrinsic geometry of surfaces (local isometry, Christoffel symbols, Theorema Egregium of Gauss, vector fields, parallel transport, geodesics). Gauss-Bonnet Theorem.

MAS 350 Stochastic Processes (7 ECTS)
Required essential knowledge: MAS 261
Basic concepts, continuous and discrete time Markov processes, birth and death processes, Poisson processes, introduction to martingales, Brownian motion.

MAS 361 Probability Theory (8 ECTS)
Measure spaces and \( \sigma \)-algebras, stochastic independence, measurable functions and random variable, distribution functions, Lebesgue integral and mean value, convergence of sequences of random variables, laws of large numbers,
characteristic function, central limit theorem, conditional probability, conditional mean value.

**MAS 371 Numerical Analysis II (7 ECTS)**


**MAS 362 Statistical Theory (7 ECTS)**

Stochastic convergence, asymptotic properties of moment estimators and maximum likelihood estimators, asymptotic normality and efficiency, hypothesis testing, asymptotic properties and efficiency of tests.

**MAS 371 Numerical Analysis II (7 ECTS)**


**MAS 401 Measure Theory and Integration (7 ECTS)**

General revision: Sets, orderings, cardinality, metric spaces. Measures: Algebras and σ-algebras, additive and σ-additive measures, outer measures, Borel measures on the real line. Integration: measurable functions, integration of complex valued functions, modes of convergence, product measures, the n-dimensional Lebesgue integral, integration in polar coordinates, signed measures, the Radon – Nikodym theorem, complex measures, differentiation on Euclidean space, functions of bounded variation. LP Spaces: The basic theory, the dual of LP, the useful inequalities, the distribution function, weak – LP spaces, interpolation.

**MAS 402 Complex Analysis II (7 ECTS)**


**MAS 418 Introduction to Fourier Analysis (7 ECTS)**


**MAS 425 Theory of Groups (7 ECTS)**


**MAS 402 Complex Analysis II (7 ECTS)**


**MAS 431 Introduction to Differentiable Manifolds (7 ECTS)**


**MAS 452 Linear Models II (7 ECTS)**

Analysis of variance with one or more fixed-effects, Analysis of variance with one or more random-effects, Analysis of covariance. Generalised linear models: estimation in (for example) logistic or logarithmic regression, asymptotic properties.

**MAS 451 Linear Models I (7 ECTS)**

**Required essential knowledge: MAS 121**


**MAS 452 Linear Models II (7 ECTS)**

**Required essential knowledge: MAS 451**

Analysis of variance with one or more fixed-effects. Analysis of variance with one or more random-effects. Analysis of covariance. Generalised Linear Models: estimation in (for example) logistic or logarithmic regression, asymptotic properties.

**MAS 456 Time Series (7 ECTS)**

### TABLE A: PROGRAMME OF STUDIES IN ECONOMICS

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>Semester</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st YEAR</strong></td>
<td></td>
<td><strong>3rd YEAR</strong></td>
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</tr>
<tr>
<td><strong>1st Semester</strong></td>
<td></td>
<td><strong>5th Semester</strong></td>
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<tr>
<td>ECO 111</td>
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<td>Five Restricted Electives Courses (5X6)</td>
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<tr>
<td>MAS 001</td>
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</tr>
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<td>MAS 061</td>
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<td></td>
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<td>CS 003</td>
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<td>LAN 100</td>
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<td><strong>TOTAL</strong></td>
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<td><strong>6th Semester</strong></td>
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<tr>
<td></td>
<td></td>
<td>Five Restricted Elective Courses (5X6)</td>
<td>30</td>
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<td><strong>2nd Semester</strong></td>
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<td><strong>7th Semester</strong></td>
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<td>ECO 121</td>
<td>7</td>
<td>ECO 399 Bachelor Thesis I (ECO 211, ECO 221, ECO 212)</td>
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<tr>
<td>ECO 212</td>
<td>7</td>
<td>Elective Course</td>
<td>5</td>
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<td>ECO 213</td>
<td>7</td>
<td>Three Restricted Electives Courses (3X6)</td>
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<td>LAN 101</td>
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<td><strong>TOTAL</strong></td>
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<tr>
<td>Elective Course</td>
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<td><strong>TOTAL</strong></td>
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<td><strong>8th Semester</strong></td>
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<td><strong>YEAR TOTAL</strong></td>
<td>61</td>
<td>ECO 499 Bachelor Thesis II (ECO 399)</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Elective Course</td>
<td>5</td>
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<tr>
<td></td>
<td></td>
<td>Three Restricted Electives Courses (3X6)</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL</strong></td>
<td>31</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>YEAR TOTAL</strong></td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>GRAND TOTAL</strong></td>
<td>240</td>
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</tbody>
</table>

**Note:** The courses in brackets are prerequisites.
Students must take at least 10 courses from the list of restricted elective courses of the Department. At least 6 courses must come from Group A and at least 3 courses from Group B.

<table>
<thead>
<tr>
<th>GROUP A</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least six courses from:</td>
<td></td>
</tr>
<tr>
<td>ECO 305 International Trade (ECO 211)</td>
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</tr>
<tr>
<td>ECO 306 International Finance (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 308 Economic Development (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 309 Economic Growth (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 310 Money, Banking and Financial Markets (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 311 Labour Economics (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 312 Industrial Organisation (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 313 Public Economics (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 314 Environmental Economics (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 398 Topics on the Cyprus Economy (ECO 211, ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 415 Game Theory (ECO 301)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 473 Applied Econometrics (ECO 303)</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GROUP B</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>At least three courses from:</td>
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</tr>
<tr>
<td>ECO 315 International Taxation and National Tax Policy (ECO 211)</td>
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</tr>
<tr>
<td>ECO 316 Economics of the European Union (ECO 111)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 317 Topics in European Economic Integration (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 320 History of Economic Thought</td>
<td>6</td>
</tr>
<tr>
<td>ECO 324 Introduction to Political Economy and Public Policy (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 326 Urban and Regional Economics (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 331 Productivity and Technology (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 355 Topics in International Economics (ECO 305)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 362 Structure and Strategy of Firms (ECO 312)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 363 Regulation Theory and Policy (ECO 211)</td>
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</tr>
<tr>
<td>ECO 370 Topics in Financial and Monetary Economics (ECO 111, ECO 221)</td>
<td>6</td>
</tr>
</tbody>
</table>

Note: The list above is indicative and subject to modifications at the beginning of each semester. The number of restricted courses must be such to ensure that the degree requirements are satisfied. In particular, 151 ECTS must be fulfilled by courses in the Department of Economics. Some restricted elective courses may not be offered every year if enrollment is insufficient or if instructors are unavailable.
The courses in brackets are prerequisites.

| TABLE C: RESTRICTED ELECTIVE COURSES FROM OTHER DEPARTMENTS FOR THE DEGREE IN ECONOMICS |

All the Elective Courses offered by the Department of Accounting and Finance, and by the Department of Business and Public Administration. Certain Courses carry prerequisites.

<table>
<thead>
<tr>
<th>Department of Mathematics and Statistics</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS 007 History of Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>MAS 101 Calculus I</td>
<td>8</td>
</tr>
<tr>
<td>MAS 102 Calculus II</td>
<td>8</td>
</tr>
<tr>
<td>MAS 121 Linear Algebra I</td>
<td>8</td>
</tr>
<tr>
<td>MAS 131 Basic Mathematics</td>
<td>8</td>
</tr>
<tr>
<td>MAS 261 Probabilities I (MAS 101, MAS 102)</td>
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</tr>
<tr>
<td>MAS 262 Statistics I</td>
<td>8</td>
</tr>
<tr>
<td>MAS 271 Numerical Analysis I</td>
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</table>
### BASIC COURSES (42 ECTS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ECO 111</td>
<td>Principles of Microeconomics</td>
<td>7</td>
</tr>
<tr>
<td>ECO 121</td>
<td>Principles of Macroeconomics</td>
<td>7</td>
</tr>
<tr>
<td>ECO 211</td>
<td>Microeconomic Theory (ECO 111)</td>
<td>7</td>
</tr>
<tr>
<td>ECO 212</td>
<td>Applications of Quantitative Methods in Economics (MAS 061)</td>
<td>7</td>
</tr>
<tr>
<td>ECO 221</td>
<td>Macroeconomic Theory (ECO 121)</td>
<td>7</td>
</tr>
<tr>
<td>ECO 222</td>
<td>Introduction to Econometrics (ECO 212)</td>
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### ELECTIVE COURSES (at least 18 ECTS)

#### GROUP A

<table>
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<tbody>
<tr>
<td>ECO 305</td>
<td>International Trade (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 306</td>
<td>International Finance (ECO 221)</td>
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<tr>
<td>ECO 308</td>
<td>Economic Development (ECO 221)</td>
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<tr>
<td>ECO 309</td>
<td>Economic Growth (ECO 221)</td>
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<tr>
<td>ECO 310</td>
<td>Money, Banking and Financial Markets (ECO 221)</td>
<td>6</td>
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<tr>
<td>ECO 311</td>
<td>Labour Economics (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 312</td>
<td>Industrial Organisation (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 313</td>
<td>Public Economics (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 327</td>
<td>Environmental Economics (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 398</td>
<td>Topics on the Cyprus Economy (ECO 211, ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 415</td>
<td>Game Theory (ECO 301)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 473</td>
<td>Applied Econometrics (ECO 303)</td>
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</table>

#### GROUP B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ECO 315</td>
<td>International Taxation and National Tax Policy (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 316</td>
<td>Economics of the European Union (ECO 111)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 317</td>
<td>Topics in European Economic Integration (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 320</td>
<td>History of Economic Thought</td>
<td>6</td>
</tr>
<tr>
<td>ECO 324</td>
<td>Introduction to Political Economy and Public Policy (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 326</td>
<td>Urban and Regional Economics (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 331</td>
<td>Productivity and Technology (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 355</td>
<td>Topics in International Economics (ECO 305)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 362</td>
<td>Structure and Strategy of Firms (ECO 312)</td>
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</tr>
<tr>
<td>ECO 363</td>
<td>Regulation Theory and Policy (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 370</td>
<td>Topics in Financial and Monetary Economics (ECO 111, ECO 221)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Note:** Some field courses may not be offered every year if enrollment is insufficient or if instructors are unavailable. The courses in brackets are prerequisites.
### TABLE E: PROGRAMME OF STUDY IN INTERNATIONAL, EUROPEAN AND ECONOMIC STUDIES

<table>
<thead>
<tr>
<th>1st YEAR</th>
<th>ECTS</th>
<th>3rd YEAR</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st Semester</strong></td>
<td></td>
<td><strong>5th Semester</strong></td>
<td></td>
</tr>
<tr>
<td>ECO 111 Principles of Microeconomics</td>
<td>7</td>
<td>LAN Second European Language (3rd Level)</td>
<td>5</td>
</tr>
<tr>
<td>MAS 001 Mathematics I</td>
<td>6</td>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>MAS 061 Statistical Analysis I</td>
<td>6</td>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>CS 003 Introduction to Computer Science</td>
<td>6</td>
<td>SPS</td>
<td>6</td>
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<tr>
<td>LAN 100 General Advanced English</td>
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<td>LAW</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>30</td>
<td><strong>TOTAL</strong></td>
<td>29</td>
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</table>

<table>
<thead>
<tr>
<th>2nd Semester</th>
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</thead>
<tbody>
<tr>
<td>ECO 121 Principles of Macroeconomics</td>
<td>7</td>
</tr>
<tr>
<td>ECO 212 Applications of Quantitative Methods in Economics (MAS 061)</td>
<td>7</td>
</tr>
<tr>
<td>ECO 213 Mathematics for Economists I (MAS 001)</td>
<td>7</td>
</tr>
<tr>
<td>LAN 101 Academic English</td>
<td>5</td>
</tr>
<tr>
<td>LAN Second European Language (1st Level)</td>
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<tr>
<td><strong>TOTAL</strong></td>
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| YEAR TOTAL | 61 |

<table>
<thead>
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<th>2nd YEAR</th>
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<tbody>
<tr>
<td><strong>3rd Semester</strong></td>
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</tr>
<tr>
<td>ECO 211 Microeconomic Theory (ECO 111)</td>
<td>7</td>
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<tr>
<td>ECO 222 Introduction to Econometrics (ECO 212)</td>
<td>7</td>
</tr>
<tr>
<td>HIS (See list of Courses below)</td>
<td>5</td>
</tr>
<tr>
<td>SPS (See list of Courses below)</td>
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<tr>
<td>Elective Course*</td>
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<table>
<thead>
<tr>
<th>4th Semester</th>
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<tbody>
<tr>
<td>ECO 221 Macroeconomic Theory (ECO 121)</td>
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<tr>
<td>HIS (see list of courses below)</td>
<td>5</td>
</tr>
<tr>
<td>LAN 209 Advance English for Global Communication</td>
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</tr>
<tr>
<td>LAN Second European Language (2nd Level)</td>
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<tr>
<td>AFN (See list of Courses below)</td>
<td>7</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>29</td>
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</table>

| YEAR TOTAL | 59/60 |

<table>
<thead>
<tr>
<th>3rd YEAR</th>
<th>ECTS</th>
</tr>
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<tbody>
<tr>
<td><strong>5th Semester</strong></td>
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<tr>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>LAN</td>
<td>6</td>
</tr>
<tr>
<td>AFN</td>
<td>7</td>
</tr>
<tr>
<td>One Elective Course</td>
<td>5+</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>30/31</td>
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</table>

<table>
<thead>
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<th>4th YEAR</th>
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</thead>
<tbody>
<tr>
<td><strong>7th Semester</strong></td>
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</tr>
<tr>
<td>ECO 399 Bachelor Thesis I (ECO 211, ECO 212, ECO 221)</td>
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<tr>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>AFN</td>
<td>6</td>
</tr>
<tr>
<td>One Elective Course</td>
<td>5</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>29/30</td>
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</table>

<table>
<thead>
<tr>
<th>5th Semester</th>
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<tbody>
<tr>
<td>LAN Second European Language (3rd Level)</td>
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<tr>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>AFN</td>
<td>6</td>
</tr>
<tr>
<td>One Elective Course</td>
<td>5+</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>30/31</td>
</tr>
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</table>

| YEAR TOTAL | 59/60 |

<table>
<thead>
<tr>
<th>4th YEAR</th>
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<tbody>
<tr>
<td><strong>8th Semester</strong></td>
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<tr>
<td>ECO 499 Bachelor Thesis II (ECO 399)</td>
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<tr>
<td>ECO</td>
<td>6</td>
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<tr>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td>AFN</td>
<td>6</td>
</tr>
<tr>
<td>One Elective Course</td>
<td>5+</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>30/31</td>
</tr>
</tbody>
</table>

| YEAR TOTAL | 59/60 |

| GRAND TOTAL | 240/242 |

**Notes:**

- **a)** The courses in brackets are prerequisites.
- **b)** The Department may withdraw courses due to staff shortages or low class attendance.
- **Restricted Elective Courses** include all courses offered by the Department of Economics department and selected courses from other departments of the University.
- **Free Elective Course** can be any course offered by any other departments of the University.
- Students are free to decide when to take Restricted or free Elective Courses based on their programme.
- Courses that have more credits than those mentioned above are acceptable provided that the total number of credits taken does not exceed the permissible limits per semester.
- **c)** Undergraduate students of the Department of Economics may take maximum two of the following four graduate courses given that they have an overall grade at least 7.5 ECTS:
  - ECO 651 Microeconomic Analysis II (7.5 ECTS)
  - ECO 652 Macroeconomic Analysis II (7.5 ECTS)
  - ECO 653 Statistics and Econometrics II (7.5 ECTS)
  - ECO 673 Applied Microeconometrics (7.5 ECTS)

If the students are admitted to the graduate programmes of the Department of Economics the students will not attend these graduate courses again.
**TABLE F: COMPULSORY COURSES FOR THE DEGREE IN INTERNATIONAL, EUROPEAN AND ECONOMIC STUDIES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 305</td>
<td>International Trade (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 306</td>
<td>International Finance (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 315</td>
<td>International Taxation and National Tax Policy (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 316</td>
<td>Economics of the European Union (ECO 111)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 317</td>
<td>Topics in European Economics Integration (ECO 221)</td>
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</table>

**Department of Accounting and Finance**

Selection of four courses from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFN 111</td>
<td>Financial Accounting Principles</td>
<td>7</td>
</tr>
<tr>
<td>AFN 222</td>
<td>Corporate Financial Management</td>
<td>7</td>
</tr>
<tr>
<td>AFN 311</td>
<td>Financial Reporting (AFN 111)</td>
<td>6</td>
</tr>
<tr>
<td>AFN 319</td>
<td>Principles of Taxation (AFN 111)</td>
<td>6</td>
</tr>
<tr>
<td>AFN 321</td>
<td>Advanced Corporate Finance (AFN 222)</td>
<td>6</td>
</tr>
<tr>
<td>AFN 322</td>
<td>Investments and Portfolio Management (AFN 222)</td>
<td>6</td>
</tr>
<tr>
<td>AFN 324</td>
<td>Bank Financial Management (AFN 322)</td>
<td>6</td>
</tr>
<tr>
<td>AFN 325</td>
<td>Options, Futures and Risk Management (AFN 321, AFN 322)</td>
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<tr>
<td>AFN 421</td>
<td>Financial Policy (AFN 222, AFN 321)</td>
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</tr>
<tr>
<td>AFN 423</td>
<td>International Financial Management (AFN 321, AFN 322)</td>
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</tbody>
</table>

**Department of History and Archaeology**

Selection of two courses from:

<table>
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<tr>
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<th>Course Title</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 181</td>
<td>Introduction to European History (1789-1918)</td>
<td>5</td>
</tr>
<tr>
<td>HIS 281</td>
<td>European diplomatic History, 20th Century</td>
<td>5</td>
</tr>
<tr>
<td>HIS 283</td>
<td>European History (1945-1989)</td>
<td>5</td>
</tr>
<tr>
<td>HIS 285</td>
<td>Europe 1918-1945: From Versailles to the fall of Nazi Germany</td>
<td>5</td>
</tr>
<tr>
<td>HIS 290</td>
<td>Institutions of Medieval Europe</td>
<td>5</td>
</tr>
</tbody>
</table>

**Department of Social and Political Sciences**

Selection of two courses from:

<table>
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<tr>
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<th>Course Title</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPS 152</td>
<td>Comparative Politics</td>
<td>6</td>
</tr>
<tr>
<td>SPS 153</td>
<td>International Relations</td>
<td>6</td>
</tr>
<tr>
<td>SPS 156</td>
<td>European Integration</td>
<td>6</td>
</tr>
<tr>
<td>SPS 266</td>
<td>Political System of the European Union</td>
<td>6</td>
</tr>
<tr>
<td>SPS 361</td>
<td>Cyprus and the European Union</td>
<td>6</td>
</tr>
<tr>
<td>SPS 362</td>
<td>Politics of the European Union</td>
<td>6</td>
</tr>
</tbody>
</table>

* Students who intend to attend graduate programs in economics are encouraged to take all three courses ECO 301, ECO 302 and ECO 303.
**Department of Law**

**Selection of two courses from following combinations:**

- LAW 201 European Union Law I* 6
- LAW 202 European Union Law II* 6
- or
- LAW 205 Public International Law I 6
- LAW 206 Public International Law II 6

*Students who wish to pursue the course combination LAW 201 and LAW 202 in the third year are encouraged to take the introductory course LAW101 Introduction to Legal Method and the Study of Law (7 ECTS).*

**Elective Courses:** Free Elective Courses should be taken from three different schools whose ECTS add up to at least 20 ECTS.

**Notes:**

a) The courses in brackets are prerequisites.

b) The Department may withdraw courses due to staff shortages or low class attendance.

Restricted Elective Courses include all courses offered by the Department of Economics department and selected courses from other departments of the University.

Free Elective Course can be any course offered by any other departments of the University.

Students are free to decide when to take Restricted or free Elective Courses based on their programme.

Courses that have more credits than those mentioned above are acceptable provided that the total number of credits taken does not exceed the permissible limits per semester.

c) Undergraduate students of the Department of Economics may take maximum two of the following four graduate courses given that they have an overall grade at least 7.5 ECTS:

- ECO 651 Microeconomic Analysis II (7.5 ECTS)
- ECO 652 Macroeconomic Analysis II (7.5 ECTS)
- ECO 653 Statistics and Econometrics II (7.5 ECTS)
- ECO 673 Applied Microeconometrics (7.5 ECTS)

If the students are admitted to the graduate programmes of the Department of Economics the students will not attend these graduate courses again.
### TABLE H: DEGREE IN MATHEMATICS AND ECONOMICS

#### 1st YEAR

<table>
<thead>
<tr>
<th>1st Semester</th>
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<tbody>
<tr>
<td>MAS 101</td>
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<td>Basic Mathematics</td>
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<td>Principles of Microeconomics</td>
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**2nd Semester**

| MAS102       | Calculus II (MAS 101) | 8 |
| MAS 122      | Linear Algebra II (MAS 121) | 8 |
| ECO 121      | Principles of Macroeconomics | 7 |
| Elective Course (i.e. computers) | 6 |
| **TOTAL**    |             | **29** |

**YEAR TOTAL**

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#### 3rd YEAR

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<td>Introduction to Econometrics (MAS 262)</td>
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<td>Mathematics for Economists (MAS 131)</td>
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**6th Semester**

| ECO 301      | Topics in Microeconomics (ECO 211) | 7 |
| ECO 302      | Topics in Macroeconomics (ECO 221) | 7 |
| ECO 303      | Econometrics (ECO 222) | 7 |
| MAS/ ECO     | Option A1 or B (see list below) | 7 |
| Elective Course | 3 |
| **TOTAL**    |             | **31** |

**YEAR TOTAL**

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#### 4th YEAR

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**8th Semester**

| ECO/ MAS     | Option B or (A3) (see list below) | 7 |
| ECO/ MAS     | Option B or (A3) (see list below) | 6 |
| ECO/ MAS     | Option B or (A3) (see list below) | 6 |
| ECO          | Option B (see list below) | 6 |
| Foreign Language 2 | 5 |
| **TOTAL**    |             | **30** |

**YEAR TOTAL**

| **TOTAL** | **60** |

**GRAND TOTAL**

| 234 |
### TABLE H: DEGREE IN MATHEMATICS AND ECONOMICS

#### Option A1
- **MAS 302** Complex Analysis I 8
- **MAS 304** Functional Analysis 7
- **MAS 456** Time Series 7

#### Option A2
- **MAS 303** Partial Differential Equations 7
- **MAS 321** Introduction to Algebra 7
- **MAS 361** Probability Theory 8
- **MAS 371** Numerical Analysis II 7
- **MAS 451** Linear Models I 7
- **ECO 604** Analytical Methods in Economics 7.5

#### Option A3
- **MAS 304** Functional Analysis 7
- **MAS 331** Classical Differential Geometry 8
- **MAS 362** Statistical Theory 7
- **MAS 401** Measure Theory and Integration 7
- **MAS 402** Complex Analysis II 7
- **MAS 418** Introduction to Fourier Analysis 7
- **MAS 425** Theory of Groups 7
- **MAS 431** Introduction to Differentiable Manifolds 7
- **MAS 452** Linear Models II (MAS 451) 7
- **MAS 456** Time Series 7

#### Option B
- **ECO 305** International Trade (ECO 211) 6
- **ECO 306** International Finance (ECO 221) 6
- **ECO 308** Economic Development (ECO 221) 6
- **ECO 311** Labour Economics (ECO 211) 6
- **ECO 312** Industrial Organisation (ECO 211) 6
- **ECO 313** Public Economics (ECO 211) 6
- **ECO 415** Game Theory (ECO 301) 6
- **ECO 473** Applied Econometrics (ECO 303) 6

#### Notes:
- a) Upon approval of the Chairman of the Department, students may substitute up to two choices in economics with courses from the graduate program of the Department of Economics.
- b) The courses in brackets are prerequisites.
- c) Students are encouraged to enrol in course MAS 191.
- d) For the courses in Mathematics and Statistics, students are required to have knowledge of the below:
  - **MAS 101 Calculus I**
    (Required essential knowledge: MAS 101)
  - **MAS 122 Linear Algebra II**
    (Required essential knowledge: MAS 121)
  - **MAS261 Introduction to Probability**
    (Required essential knowledge: MAS 101, MAS 102)
  - **MAS350 Stochastic Processes**
    (Required essential knowledge: MAS 261)
  - **MAS452 Linear Models II**
    (Required essential knowledge: MAS 451)
FACULTY OF ENGINEERING

- Department of Architecture
- Department of Civil and Environmental Engineering
- Department of Electrical and Computer Engineering
- Department of Mechanical and Manufacturing Engineering
Introduction

Affecting both people and the environment on many levels, Architecture is inherently related to a wide variety of areas in terms of aesthetic, technological, social, cultural, economic and political issues. The Department of Architecture (ARCH) consequently has an important role to play the production of architectural culture and knowledge through research, and in providing high quality education to both students and practitioners of architecture alike. It will also enhance the much-needed dialogue among the parties directly or indirectly involved in its production: the architectural community, other professionals and the public.

Central to the philosophy of the programme of studies in architecture is the concept of integrated design which stresses the necessity of a balanced focus on the various aspects of architecture that make it the complex and fascinating field that it is. The challenges for both the discipline and the profession are many and diverse but they could perhaps be summed up as follows: to respect the past, accommodate the present and plan for the future; to allow for the cultural while respecting the natural; to identify the local within the global; to allow for differences and bring out the similarities; to be innovative; to create.

As an outstanding academic centre of studies in the wider European region, the Department of Architecture aims at educating students to become architects who can perform successfully worldwide but who will also have the knowledge and sensitivity to respond to and influence positively the built environment of the eastern Mediterranean region.

UNDERGRADUATE PROGRAMME

With design as the common factor in all conceptual subdivisions or categories, the four basic areas of study are: architectural theory and history, architectural communication media, architectural technology and urban design.

The undergraduate programme of studies leads to the acquisition of the Bachelor of Science (B.Sc.) in Architecture, an academic degree and a prerequisite for admission to the subsequent studies required for a professional degree,
either the Diploma of Architect-Engineer or the Master of Science (M.Sc.) in Architecture. The programme leading to the B.Sc. in Architecture requires the completion of at least 240 ECTS. From these 240 ECTS, at least 15 ECTS should be elective courses (not included in the student’s specialisation), which should be taken from two different faculties of the University, while 10 ECTS should be taken from the programme of Foreign Languages.

The first four semesters introduce the subject through design studios of increasing architectural complexity that develop the student’s analytical and compositional skills, while the studios in the fifth and sixth semester focus on the urban and the technological respectively. A series of satellite courses in the four basic areas mentioned above enable students to accumulate the knowledge needed for the efficient response to the complex demands of any design project. The two design studios in the fourth year allow choice on the specific projects undertaken, and together with elective courses, give students the opportunity to pursue a deeper investigation into specific areas of interest.

**COURSE DESCRIPTIONS**

**Compulsory Courses**

**ARH 100 Architectural Design I (10 ECTS)**
Introduction to the basic concepts of Space, Form, Geometry, Proportions, Scale. The specific projects undertaken may not have an architectural scale or be site-specific but will nevertheless aim at encouraging students to understand the complexity of the act of design while becoming acquainted with different media and means of representation and communication. Studio supervision accompanied with relevant lectures from the instructors.

**ARH 101 Architectural Design II (10 ECTS)**
*Prerequisite: ARH 100*
Investigation and synthesis of Space, Form, Function for a site-specific project which asks for an Architectural Design within both a social and an environmental context, and with an emphasis on climatic and micro-climatic issues. Problem solving skills. Development of a concept into a physical entity. Description and communication of the proposed scheme using various media including Architectural Models. Studio supervision accompanied with relevant lectures from the instructors.

**ARH 110 Architecture in Context (5 ECTS)**
An introductory course offering a panoramic view of the interdisciplinary nature of architecture in time, place and society. Students will be offered a framework within which to effectively place any subsequent information in perspective, while students from other disciplines will have an opportunity to develop a more informed and appreciative way of looking at the work and products of Architectural Design.

ARH 111 History of Architecture I (5 ECTS)
History of Architecture from the Prehistoric period to the Renaissance. Growth and significance of architecture, the impact of developments in technology and construction, the artistic and spiritual ideals of specific civilisations. Concepts of Space and Form in Western and other civilisations.

ARH 121 Architectural Communication Media II (5 ECTS)
*Prerequisite: ARH 124*
The course introduces students to the means of Visual Representation for the concept of performance in architecture. Musical instruments are used as a means to achieve this target. Students are introduced to the cosmos of musical instruments (musicians, orchestra, music, space of performance and rehearsal, etc.). Architectural themes are introduced in parallel through various exercises. Issues of communication, and articulation of various aspects of the architectural project taking into consideration the factor of time are examined. The exercises require the use of various methods and means of representation: Freehand Drawing and Models for documenting relations in three-dimensional form.

ARH 124 Architectural Communication Media I (5 ECTS)
The course covers both Freehand and Technical Drawing. Sketching and drawing aim at introducing students to the basics of Pictorial Depiction and Visual Communication, while familiarising them with the basic media. Line Weight and Surface Rendering using Shade and Shadow lead to the study of depth and the use of perspective in sketching the built as well as the natural environment. The technical part of the course studies the Graphic Techniques for architects. Systems of Projection for plans, elevations and sections, isometric drawings, orthogonal and oblique projections, perspectives.

ARH 200 Architectural Design III (10 ECTS)
*Prerequisite: ARH 101*
Design of a building with a degree of complexity located at a specific site. Use of various design principles. Emphasis is placed on the Concept of Programming and the Use of Space. Students are introduced to the process of creating their own concept, which is translated into the building they design. The Social Framework, Materials, Structural and Construction Methods, context of Insertion are also explored. Lectures support the design studio.

ARH 201 Architectural Design IV (10 ECTS)
*Prerequisite: ARH 200*
ARH 210 History of Architecture II (5 ECTS)

**Prerequisite: ARH 111**

History of Architecture from the Baroque period to the present. Review and analysis of architectural forms and concepts and their relation to emerging beliefs, political and cultural transformations and social processes. Architecture of the Industrial Revolution, Modernism and the 20th century. Influences from and on the wider field of artistic as well as Commercial or Industrial Design.

ARH 211 Architecture and Society (5 ECTS)


ARH 220 Digital Architectural Communication Media (5 ECTS)

**Prerequisite: ARH 124**


ARH 222 Visual Culture (5 ECTS)

An investigation into the production/consumption of images and their complex relationship with society. Oscillating between the Object and the Subject, the viewed is juxtaposed with who does the viewing, when, where and under what circumstances. In this context, images from art, advertisements or film are equally important and relevant as family photos.

ARH 230 Construction I (5 ECTS)


ARH 233 Construction II (5 ECTS)

**Prerequisite: ARH 230**


ARH 241 Theory of Urban Design (5 ECTS)

The course introduces students to the basic characteristics and definitions of the Urban Environment through cultural and technological issues and relationships between various social forces. A register of contexts within which the Urban Design is inscribed is introduced (physical, temporal and pragmatic contexts). An emphasis is placed on the complexity and interdependency of those contexts. With this approach, theories and actions are presented historically from the industrial period until today. There are references to examples of theory and practice with emphasis on the contemporary period.

ARH 300 Architectural Design V – Urban Design (10 ECTS)

**Prerequisites: ARH 201 and ARH 241**

The course studies the Urban Design Project and makes use of the theoretical background on Urban Design taught in the previous semester. Looking at the various contexts in which Urban Design is inscribed (physical, temporal and pragmatic), students are asked to develop strategies based on dynamic relations between analysis and proposal on an in-between scale of action (between building and city scale). Issues related to dynamics between local/translocal, temporary/permanent become significant through this project. Lectures support the design studio.

ARH 301 Architectural Design VI – Architectural Technology (10 ECTS)

**Prerequisites: ARH 300, ARH 330, ARH 332 and CEE 133**


ARH 310 History and Theory – Contemporary Architecture (5 ECTS)

New trends and directions in architecture. The work and vision of leading architects and firms. Innovation, technology, building systems and construction, the changing role and nature of aesthetic considerations, the global and the local. Future challenges.

ARH 311 Vernacular Architecture and Contemporary Issues (5 ECTS)

Examination of urban and rural traditional settlements, with a particular focus on the architectural heritage of Cyprus. Comparisons with vernacular architecture in the broader Mediterranean region, as well as with the contemporary realities of Cyprus. Investigation into the particular social, economic and climatic factors and building techniques that shaped particular architectural expressions. Critical overview of the principles of historic preservation, and consideration of methods for new interventions into an existing fabric.

ARH 313 Architecture and Philosophy (5 ECTS)

An introduction to basic concepts that are part of Architectural as well as Philosophical Discourse. Emphasis is placed on parameters such as space, time and form, and the various ways in which these have been viewed by different agents in both fields.

ARH 330 Construction III (5 ECTS)

**Prerequisite: ARH 233**


**ARH 331.1 Building Technology (5 ECTS)**


**ARH 332 Technical Development Systems (5 ECTS)**

Introduction to the principles of heat transfer, sound propagation and photoelectric field. Mechanical and Electrical Building Systems for architects. Operating efficiency, analysis and design of Building Supporting Systems, heating, ventilation, air conditioning, plumbing, power distribution, lighting, vertical transportation, acoustics.

**ARH 340 Landscape Architecture (5 ECTS)**

Introduction to basic issues of Landscape Design. Natural and manmade parameters are introduced through historical and theoretical references to demonstrate their influence on the landscape in general and on the garden specifically. Issues of time, topography, scale, vegetation, artificial and natural guide the course outline. Short project exercises on Landscape Design.

**ARH 400 Architectural Design VII (10 ECTS)**

Prerequisite: ARH 301

Advanced Architectural Design where students are encouraged to examine the programme and analyse the impact it may have on the various aspects of the resulting design. The apparently innocent description of the desired goals and needs is consequently examined in order to reflect on the paradigm it is based on or the ideology it promotes. Depending on their interests, students have the opportunity to select a specific project approved by the instructor.

**ARH 401 Architectural Design VIII (10 ECTS)**

Prerequisite: ARH 400

Students are asked to research a topic of personal interest, form a programme and develop a design proposal that will be assessed for its soundness regarding all aspects of architecture, for its qualitative and quantitative efficiency, as well as the way in which the thesis is defended.

**ARH 410 Architectural Practice (5 ECTS)**

The history of the profession. The nature of architectural practice, ethics, laws, codes, rules and regulations. The culture of the architectural profession. The architect and the client. The problems of the present and the challenges of the future.

**ARH 411 Advanced Architectural Theory (5 ECTS)**


**Elective Courses**

**ARH 402 Special Topics in Architecture I (5 ECTS)**

The subject will vary according to emerging student needs or requests and the educational and research interests of permanent and visiting faculty.

**ARH 403 Special Topics in Architecture II (5 ECTS)**

The subject will vary according to emerging student needs or requests and the educational and research interests of permanent and visiting faculty.

**ARH 412 Architecture and the Critical History of Ecology (5 ECTS)**

How have concepts of “Nature” and “Environment” influenced architectural thought and practice throughout history? Emphasis on 20th and 21st century debates on environment and sustainability, and the theoretical concerns surrounding them.

**ARH 413 Modernism – Global Impact (5 ECTS)**

The complex connections between Architectural Modernism and the Politics of Modernisation, Decolonisation, Urbanisation and Globalisation around the globe. The course uncovers the transnational dimensions of Modern Architecture and encourages cross-cultural inquiry.

**ARH 420 Portraits of Architecture (5 ECTS)**

The course examines the way architecture is described or presented in literature, art and film. Ideological agendas, cultural norms and stereotypes, paradigms.

**ARH 421 Advanced Computer Aided Design (5 ECTS)**

Prerequisite: ARH 220 or Corresponding Course in other Department

A course on CAD literacy. Animation in CAD, Modelling Concepts, Camera Movements, Lighting Conditions, Special Effect and Digital Editing of animation sequences. CAD as a medium of communication as well as a design tool in architecture.

**ARH 423 Creativity in Architecture through the Fine Arts (5 ECTS)**

The course aims to introduce students to the fine arts domain and to reconnect them to creativity in architecture. Each academic year the course will focus on different issues such as scale and measurement of the body in space, colour and creating things in a direct manner.

**ARH 430 Earthquake Resistant Building Design (5 ECTS)**

Prerequisite: CEE 133


**ARH 431 Bioclimatic Design (5 ECTS)**

Design of cost-effective, energy efficient buildings. Criteria for optimum exterior/interior environment and for the architectural, mechanical, electrical and building system components. Evaluation of energy conservation methods and renewable energy sources, active and passive solar systems.
ARH 440 Mobilities in a Globalised Society (5 ECTS)

Globalisation has generated various kinds of mobility of humans and ideas all over the world. This course will focus on the consequences in space and in the city from such mobilities. Some of these kinds of mobilities are generated by leisure, tourism but also by immigration. Each academic year, a selection of relative kinds of mobility will be introduced and studied in depth through their relationship to urban design, especially in Europe.

ARH 441 Contemporary Territorial Transformations and Urban Design (5 ECTS)

Globalisation has added another level of operation to the contemporary city, transgressing the limits between centre and peripheries. The generation of all sorts of networks, visible and invisible, has created complex dynamics between urban elements that used to operate only with their local territory and new elements introduced by the networks. What is the role of the architect and planner in such cases? What methods of analysis of the existing urban conditions can detect such dynamics and how do they inform urban design?

General Elective Courses offered to CEE Students

ARH 123 Civil Engineering Graphics (5 ECTS)

Study and application of drawing and other graphic communication techniques for engineers: Systems of Projection for the production of Construction Documents (plans, elevations and sections), Isometric Drawings, Perspective, Freehand Sketching from Technical Drawings, Scaling. Computer-aided Design.

ARH 320 Computer-Aided Design (5 ECTS)


ARH 331.2 Building Technology (5 ECTS)

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Introduction

Civil and environmental engineering plays a significant role in building modern society in a sustainable future. It deals with the design, construction, management and maintenance of the infrastructure which society relies on. In addition to the buildings in which we live and work, the roads and the bridges we use every day, society depends on civil and environmental engineers for providing clean water, energy, waste management as well as the protection of the natural environment.

The Department of Civil and Environmental Engineering provides high quality degree programmes at both undergraduate and postgraduate levels. These programmes emphasise fundamental principles to produce young engineers with the necessary skills and knowledge who are able to assume leading positions and who are able to deal with full of problems, challenges and opportunities in a rapidly changing environment. They undertake investigation, research, planning and design in an academic environment based on cooperation among faculty, students, industry, research and professional organizations.

Students study in a dynamic learning environment and have the opportunity to work with and learn from research teams at the forefront of science and technology.

CAREER OPPORTUNITIES

There are professional opportunities for civil and environmental engineers in both private practice and public services. Graduates may pursue careers in design, construction, maintenance, management or research and development. For example, in urban or developing population areas and industrial centers, civil and environmental engineers serve the public as planners, designers, and supervisors of transportation systems, water resources projects, pollution control facilities, private and public utility enterprises and other civil works.

AREAS OF RESEARCH

Research in the Department of Civil and Environmental Engineering focuses on the following areas:

- Materials and Mechanics
- Structural and Earthquake Engineering
• Construction Management
• Computer-Aided Civil Engineering
• Geomechanics
• Transportation Systems
• Management of Water Resources
• Environmental Fluid Mechanics
• Solid and Liquid Waste Management
• Environmental Pollution Control
• Environmental Management Systems
• Subsurface Remediation

UNDERGRADUATE DEGREE PROGRAMME
The Department covers the traditional areas of civil engineering such as structures, building materials, earthquake engineering, construction management, geotechnical engineering, transportation and hydraulics, as well as environmental issues such as protection of water resources, air pollution and management of solid and liquid waste. These areas have a direct impact on health and safety, tourism and the local economy. The combination of Civil and Environmental Engineering disciplines in one department is appropriate since most of these areas overlap and impact on each other.

The programme of studies at the Department of Civil and Environmental Engineering is based on the European Credit Transfer and Accumulation System (ECTS), which has been adopted by the University.

The programme of studies is based on building strong foundations in Mathematics, Physics and Mechanics during the first two years, which are necessary for studying the advanced material that follows. During the third year, students undertake advanced courses in the field of Civil and Environmental Engineering. The fourth year offers students the flexibility to choose from a wide array of classes in Civil and Environmental Engineering according to their individual interests. Additionally, it includes the capstone design project, a comprehensive Civil and Environmental Engineering project, the subject of which is set each year to cover a wide spectrum of areas within the discipline.

The Department offers a Bachelor of Science (B.Sc.) degree in Civil and Environmental Engineering.

DEGREE RECOGNITION
The degree (B.Sc.) in Civil and Environmental Engineering is fully recognised by the Scientific and Technical Chamber of Cyprus (STCC), enabling the holder to become a member of STCC according to the applicable terms and thus to obtain the professional status and privileges of a civil engineer.

DEGREE REQUIREMENTS
The course of study leading to the B.Sc. in Civil and Environmental Engineering requires the completion of at least 240 ECTS, distributed as shown in the relevant table.

Students are awarded the B.Sc. in Civil and Environmental Engineering when they complete all the required CEE Courses (195 ECTS), three Elective Courses (15 ECTS) and six Restricted Elective Courses (30 ECTS). The elective courses should be selected from at least two different faculties of the University in order to expose students to different disciplines. The Restricted Elective Courses belong to a group of mainly CEE courses which are meant to offer specialisation in advanced subjects within the CEE discipline.

Additionally, the six Restricted Elective Courses must be distributed as follows:

• Three Restricted Elective Courses related to Civil Engineering to be selected from the following list:
  CEE 401 Software Development for Engineering Application
  CEE 411 Construction Management II
  CEE 426 Introduction to Finite Element Methods
  CEE 432 Masonry Building Materials
  CEE 441 Advanced Topics on the Design of Steel Structures
  CEE 442 Prestressed Concrete
  CEE 450 Geomechanics
  CEE 451 Engineering Geology
  CEE 475 Design of Hydraulic Systems
  CEE 477 Coastal Engineering
  CEE 496 Advanced Topics in Civil Engineering
  CEE 497 Advanced Topics in Civil Engineering

• Three Restricted Elective Courses related to Environmental Engineering to be selected from the following list:
  CEE 401 Software Development for Engineering Application
  CEE 470 Water Resource Management
  CEE 475 Design of Hydraulic Systems
  CEE 477 Coastal Engineering
  CEE 480 Wastewater Management
  CEE 481 Environmental Impact Assessment
  CEE 483 Transport Processes in Environmental Engineering
  CEE 494 Advanced Topics in Environmental Engineering
  CEE 495 Advanced Topics in Environmental Engineering

It should be noted that Independent Study (CEE 492 or CEE 493) is offered to exchange programmes students only.
In special circumstances and after prior approval by the Undergraduate Committee of the CEE Department, a student can be credited up to 5 ECTS that correspond to restricted elective courses through courses offered by other departments, in addition to the 15 ECTS of the required elective courses, or through a graduate course offered by the Department of Civil and Environmental Engineering.

Within the framework of a student exchange programme, undergraduate students can attend up to two semesters at another university with a workload ranging between 25 and 30 ECTS per semester. Interested students must submit an application form signed by their Academic Advisor for approval by the Undergraduate Committee of the CEE Department.

Transferred undergraduate students can be credited up to 120 ECTS from their undergraduate studies prior to the transfer following approval by the Undergraduate Committee of the CEE Department.

**COURSE DESCRIPTIONS**

**Compulsory Courses**

**CEE 100 Introduction to Civil Engineering (5 ECTS: 2-3-6)**

The course consists of a series of lectures and laboratories on various engineering topics. Lectures: Engineering basics, Civil Engineering Profession, CEE programme of study, Engineering Design Principles, time management and learning styles, teamwork, computing and Information Technology in engineering, library skills, engineering ethics, social implications, future trends in technology. Laboratory topics: Civil Engineering laboratory demonstrations, Basics of computer use, data collection, analysis, interpretation and presentation of results. Term project (competition): Balsawood bridge design and construction.

**CEE 113 Land Surveying (5 ECTS: 3-2-4)**


**CEE 121 Structural Analysis I (5 ECTS: 3-0-6)**


**CEE 181 Introduction to Environmental Engineering (5 ECTS: 3-0-6)**


**CEE 201 Numerical Methods in Engineering (5 ECTS: 3-0-6)**


**CEE 220 Structural Analysis II (5 ECTS: 3-0-6)**

**Prerequisite: CEE 121**


**CEE 221 Matrix Structural Analysis (5 ECTS: 3-0-6)**

**Prerequisite: CEE 220**


**CEE 230 Strength of Materials (5 ECTS: 3-0-6)**


**CEE 231 Construction Materials (5 ECTS: 3-1-5)**

Introduction to the major materials used in construction. Materials Engineering Concepts. Nature of materials. Physical and
Prerequisite: PHY 134


CEE 232 Strength of Materials Laboratory (2.5 ECTS: 0-2-3)

CEE 233 Construction Materials - Laboratory (2.5 ECTS: 0-2-3)
Laboratory experiments for aggregates, concrete, steel, wood and composites.

CEE 251 Soil Mechanics (5 ECTS: 3-0-6)

CEE 253 Soil Mechanics - Laboratory (2.5 ECTS: 0-2-3)
Soil Classification Methods. Determination of physical and mechanical properties of soils. Laboratory tests: determination of plasticity and liquidity limits, compaction test, sand cone test, measurement of hydraulic conductivity, direct shear test, consolidation test, triaxial compression test.

CEE 270 Fluid Mechanics for Civil and Environmental Engineers (5 ECTS: 3-0-6)
Prerequisite: PHY 134

Introduction to Fluid Mechanics and its applications. Fluid statics, control volume approach, mass conservation and steady flow momentum equation, Bernoulli’s Theorem, curved streamlines. Laminar and turbulent flow, boundary layer, friction in laminar and turbulent flow. First law of thermodynamics; flow heat transfer. Similarity, dimensional analysis, Model Tests.

CEE 272 Fluid Mechanics Laboratory (2.5 ECTS: 0-2-3)
Prerequisite: PHY 134


CEE 310 Construction Management I (5 ECTS: 3-0-6)

CEE 320 Dynamics of Structures (5 ECTS: 3-0-6)
Prerequisite: CEE 220


CEE 325 Computer-Aided Structural Analysis (5 ECTS: 3-0-6)
Prerequisites: CEE 221, CEE 320


CEE 340 Design of Reinforced Concrete Members (5 ECTS: 3-0-6)
Prerequisites: CEE 121 and CEE 230


CEE 341 Design of Reinforced Concrete Structures (5 ECTS: 3-0-6)
Prerequisite: CEE 340


CEE 342 Design of Steel Structures (5 ECTS: 3-0-6)
Prerequisite: CEE 230

CEE 353 Foundation Engineering (5 ECTS: 3-0-6)
Prerequisite: CEE 251 or CEE 253

CEE 370 Hydraulics (5 ECTS: 3-0-6)

CEE 371 Hydrology (5 ECTS: 3-0-6)

CEE 400 Earthquake Engineering (5 ECTS: 3-0-6)
Prerequisite: CEE 320

CEE 460 Transportation Engineering (5 ECTS: 3-0-6)
Application of physical laws of motion and energy as they relate to calculations of resistances to motion, power, and energy requirements. Acceleration-Deceleration Limits. Capacity of various Modes of Transportation. Techniques of analysis and planning for transportation services. Demand-supply interactions. Evaluation of transportation alternatives. Integrated Model Systems. Demand estimates for transportation system. Location, design, and operations of transportation facilities. People participation in decision making; proposal writing.

CEE 461 Road Design and Construction (5 ECTS: 3-0-6)

CEE 490 Thesis: Capstone Design Project I (5 ECTS: 1-2-6)
Prerequisites: Senior status or advisor's approval, CEE 341, CEE 342, CEE 353, ARH 331
The project (a two-semester Senior Capstone Design experience in Civil Engineering) is intended to serve as a capstone experience in preparing students to address challenging engineering problems, and requires student collaboration and integration of their engineering knowledge from various thematic areas. In the first semester, a project involving integration of the Civil Engineering subdisciplines will be described and presented. Students will work on preparing engineering design and environmental impact assessment studies for the project. Lectures will be devoted to particulars of the project, presenting specialised topics and specific design applications that may not have been addressed in other courses.

CEE 491 Thesis: Capstone Design Project II (10 ECTS: 1-2-13)
Prerequisites: Senior status or Academic Advisor's approval, CEE 310, CEE 490
This is a continuation of CEE 490. Lecture sessions will be used to present specialised material of relevance to the project assigned and to allow student groups to present progress reports on their work. Each group will be expected to prepare a complete design report addressing all assigned aspects of the project, with functional design drawings and specifications, environmental studies, construction schedules, cost estimates, and health and safety plans. All projects will include a written report, and they will be orally presented and defended. The projects must be of sufficient depth and incorporate the state-of-the-art in the subject topics.

Restricted Elective Courses

CEE 401 Software Development for Engineering Application (Open elective course) (5 ECTS: 3-0-6)
Prerequisite: CS 033 or equivalent

CEE 411 Construction Management II (5 ECTS: 3-0-6)
Prerequisite: CEE 310

CEE 426 Introduction to Finite Element Method (5 ECTS: 3-0-6)
Prerequisites: CEE 221 and CEE 230
CEE 432 Masonry Building Materials (5 ECTS: 3-0-6)

CEE 441 Advanced Topics on the Design of Steel Structures (5 ECTS: 3-0-6)
Prerequisite: CEE 342

CEE 442 Prestressed Concrete (5 ECTS: 3-0-6)
Prerequisite: CEE 340

CEE 450 Geomechanics (5 ECTS: 3-0-6)
Prerequisite: CEE 251

CEE 451 Engineering Geology (5 ECTS: 3-0-6)
Prerequisites: CEE 251 or CEE 253

CEE 470 Water Resource Management (5 ECTS: 3-0-6)
Prerequisites: CEE 370 and CEE 371
Water demand and supply. Distribution systems. Collection, transportation and storage of water resources. Pipe networks and pumps. Reservoirs and dams. Control of water resources by natural system functions, user actions, and influence of social, economic, and political institutions. Water resource policies. Case studies (e.g., flood/drought management).

CEE 475 Design of Hydraulic Systems (5 ECTS: 3-0-6)
Prerequisites: CEE 370 and CEE 371

CEE 477 Coastal Engineering (5 ECTS: 3-0-6)
Prerequisites: CEE 370 and CEE 371

CEE 480 Wastewater Management (5 ECTS: 3-0-6)
Prerequisites: CEE 251
Constituents in wastewater, analysis and selection of wastewater flow rates and constituent loadings, process analysis, physical-chemical-biological unit operations, fundamentals of biological treatment, advanced treatment methods.

CEE 481 Environmental Impact Assessment (5 ECTS: 3-0-6)
Prerequisites: CEE 370 and CEE 371

CEE 483 Transport Processes in Environmental Engineering (5 ECTS: 3-0-6)
Prerequisite: CEE 270

CEE 492 Independent Study (5 ECTS: 0-0-10)
Prerequisite: Undergraduate Academic Advisor’s approval
Individual study, research or laboratory investigation under faculty supervision.

CEE 493 Independent Study (5 ECTS: 0-0-10)
Prerequisite: Undergraduate Academic Advisor’s approval
Individual study, research or laboratory investigations under faculty supervision.
CEE 494 Advanced Topics in Environmental Engineering (5 ECTS: 3-0-6)
Advanced and contemporary topics of special interest in Environmental Engineering (Fall Semester).

CEE 495 Advanced Topics in Environmental Engineering (5 ECTS: 3-0-6)
Advanced and contemporary topics of special interest in Environmental Engineering (Spring Semester).

CEE 496 Advanced Topics in Civil Engineering (5 ECTS: 3-0-6)
Advanced and contemporary topics of special interest in Civil Engineering (Fall Semester).

CEE 497 Advanced Topics in Civil Engineering (5 ECTS: 3-0-6)
Advanced and contemporary topics of special interest in Civil Engineering (Spring Semester).

Elective Courses for the Department of Architecture

CEE 130 Structures I (5 ECTS: 3-0-6)

CEE 133 Structures II (5 ECTS: 3-0-6)
Prerequisite: CEE 130
Methods of analysis of Simple Indeterminate Systems: trusses, frames, parabolic arch, flexible suspension cables. Strength of materials (masonry, reinforced concrete, steel, timber) and preliminary stress design. Basic terms of elasticity, uniform distributed stresses for tension, compression, bending, shear and torsion, diagrams of internal forces and design factors.

CEE 241 Reinforced Concrete Structures (5 ECTS: 3-0-6)
Prerequisite: CEE 133
Introduction to Reinforced Concrete Structures. Basic terms in reinforced concrete, mechanic properties. Design of storey slabs, beams, columns and walls, construction requirements. Prestressed concrete, foundations. Term project on the design of a Reinforced Concrete Structure, integrated with ARH 201.

CEE 345 Steel Structures (5 ECTS: 3-0-6)
Prerequisite: CEE 133

Elective Courses for other Departments

CEE 183 Introduction to Environmental Issues (5 ECTS: 3-0-6)
Environment and Ecology; Global warming; Climate changes; Ozone depletion; Atmospheric pollution; Soil pollution; Aquatic pollution; Water Resources Management; Renewable energy sources; Environmental Management, Policy and Legislation; Sustainable development; Case studies.
### 1st YEAR
#### 1st Semester
- CEE 100 Introduction to Civil Engineering 5
- CEE 181 Introduction to Environmental Engineering 5
- MAS 031 Calculus I 5
- PHY 134 Physics for Engineers 5
- CS 033 Introduction to Programming Principles for Engineers 5
- LAN 100 General Advanced English 5
**TOTAL** 30

#### 2nd Semester
- ARH 123 Civil Engineering Graphics 5
- CEE 113 Land Surveying 5
- CEE 121 Structural Analysis I 5
- MAS 032 Linear Algebra 5
- LAN 104 English for Technical Purposes 5
- Elective Course 5
**TOTAL** 30
**YEAR TOTAL** 60

### 2nd YEAR
#### 3rd Semester
- CEE 220 Structural Analysis II 5
- CEE 230 Strength of Materials 5
- CEE 232 Strength of Materials - Laboratory 2.5
- CEE 270 Fluid Mechanics for CEE 5
- CEE 272 Fluid Mechanics Laboratory 2.5
- MAS 033 Engineering Mathematics 5
- Elective Course 5
**TOTAL** 30

#### 4th Semester
- CEE 201 Numerical Methods in Engineering 5
- CEE 221 Matrix Structural Analysis 5
- CEE 231 Construction Materials 5
- CEE 233 Construction Materials - Laboratory 2.5
- CEE 251 Soil Mechanics 5
- CEE 253 Soil Mechanics - Laboratory 2.5
- MAS 034 Probability and Statistics for Engineers 5
**TOTAL** 30
**YEAR TOTAL** 60

### 3rd YEAR
#### 5th Semester
- CEE 310 Construction Management I 5
- CEE 320 Dynamics of Structures 5
- CEE 340 Design of Reinforced Concrete Members 5
- CEE 342 Design of Steel Structures 5
- CEE 370 Hydraulics 5
- ARH 320 Computer-Aided Design 5
**TOTAL** 30

#### 6th Semester
- ARH 331 Building Technology 5
- CEE 325 Computer-Aided Structural Analysis 5
- CEE 341 Design of Reinforced Concrete Structures 5
- CEE 353 Foundation Engineering 5
- CEE 371 Hydrology 5
- CEE xxx Restricted Elective Course 5
**TOTAL** 30
**YEAR TOTAL** 60

### 4th YEAR
#### 7th Semester
- CEE 400 Earthquake Engineering 5
- CEE 460 Transportation Engineering 5
- CEE 490 Thesis: Capstone Design Project I 5
- CEE xxx Restricted Elective Course 5
- CEE xxx Restricted Elective Course 5
- Elective Course 5
**TOTAL** 30

#### 8th Semester
- CEE 461 Road Design and Construction 5
- CEE 491 Thesis: Capstone Design Project II 10
- CEE xxx Restricted Elective Course 5
- CEE xxx Restricted Elective Course 5
- CEE xxx Restricted Elective Course 5
**TOTAL** 30
**YEAR TOTAL** 60
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Introduction

Electrical and Computer Engineering (ECE) is a key discipline, at the heart of the technology frontier. It deals with the design and analysis of electrical, magnetic and optical devices, and the processing, control, and transmission of information and energy. The tools used in electrical and computer engineering include electrical, electromagnetic and optical phenomena, systems theory, and computational hardware and software.

Electrical Engineering is a broad field that covers many diverse areas of study such as microelectronics, digital communications, wireless systems, photonic systems, power systems, signal processing, computer technology, microprocessors, automation and feedback control, neural networks, and electronic device fabrication. Computer Engineering is the science and technology of design, implementation and maintenance of the hardware and software components of modern computing systems and computer-controlled equipment. Computer engineers are solidly grounded in the theories and principles of computing, mathematics and engineering, and apply these theoretical principles to design hardware, software, networks, and computerized equipment and instruments to solve technical problems in diverse application domains. Students and faculty in Electrical and Computer Engineering also develop synergies with disciplines outside of engineering; for example, with medicine and the life sciences that can lead to education and research in biomedical engineering.

CAREER OPPORTUNITIES

The job opportunities for electrical and computer engineers are many, and it is anticipated that there will be even more in the future as technology pushes into new frontiers. Electrical and computer engineers work in industry, private practice, government agencies, and education and research organizations performing functions that include research and development, planning, designing, construction, operating and maintaining a variety of electrical and computing apparatus and systems. They also test equipment, solve operating problems, and estimate the time and cost of projects. Besides manufacturing, research,
development and design, many are employed in administration and management or technical sales.

**UNDERGRADUATE PROGRAMMES OF STUDIES**

The mission of the Department of Electrical and Computer Engineering at the University of Cyprus is to provide a comprehensive, state-of-the-art education that prepares students for success in engineering practice and/or advanced studies. The Department’s graduates command the fundamentals of Electrical and Computer Engineering and acquire in-depth knowledge in one or more specialization areas. The Department’s objectives are met through programmes of study that consist of basic mathematics and science courses, core courses that promote ECE fundamentals and technical electives that provide in-depth specialization in various technology areas. The programmes encourage a balanced mixture of theoretical and experimental work.

The Department offers undergraduate degrees in the following two areas of concentration:

- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Computer Engineering

Electrical Engineering is a broad field that covers many diverse areas of study such as microelectronics, digital communications, wireless systems, photonic systems, power systems, signal processing, computer technology, microprocessors, automation and feedback control, neural networks and electronic device fabrication. Students and faculty in Electrical Engineering also develop synergies with disciplines outside engineering, for example with medicine and the life sciences, which can lead to education and research in biomedical engineering.

Computer Engineering is the science and technology of design, implementation and maintenance of the hardware and software components of modern computing systems and computer-controlled equipment. Computer engineers are solidly grounded in the theories and principles of computing, mathematics and engineering, and they apply these theoretical principles to design hardware, software, networks, and computerised equipment and instruments to solve technical problems in diverse application domains.

The programme of studies at the University of Cyprus is based on ECTS. The ECTS is a tool for promoting pan-European recognition of programmes of study and qualifications. It is a tool for establishing and securing transparency, as well as a means for building communication and cooperation among institutions, while simultaneously broadening the educational choices of students. Roughly, an ECTS unit corresponds to a student workload of 25-30 hours (including lectures, tutorials, labs, projects, etc.). To obtain a B.Sc. degree in Electrical or Computer Engineering 240 ECTS are required. These are distributed primarily among basic science courses, ECE core and elective courses and a senior design project, but also include some language and free elective courses as shown in Table 1. Required science courses include courses such as mathematics, physics, biology, computer science and management. General free elective courses should be taken from at least two different faculties of the University of Cyprus (not included in the student’s specialization).

The first and second years of the Electrical Engineering (EE) and Computer Engineering (CE) programmes are closely related, having all but one course in common. Until this academic year (2012-2013), students were admitted into the Department of Electrical and Computer Engineering, and by the end of their 3rd semester and in consultation with their academic advisor, chose to enter either the EE programme or CE programme. However, beginning in the academic year 2012-2013, students will be admitted to either the Electrical Engineering Degree Programme, or the Computer Engineering Degree Programme.

During the first two years, the programme of study is structured to provide students with a rigorous body of knowledge in mathematics, physics and electrical engineering fundamentals, which is essential to achieve a deep understanding of more advanced electrical engineering topics. In the third year, depending on their degree programme, students receive training in more advanced but fundamental topics in electrical or computer engineering. In the fourth year, students have the flexibility to select elective courses from a variety of specialization areas according to their individual interests, from more than one area of specialization. In addition, the fourth year also includes a capstone design project course or an individual capstone design project which can be chosen from a variety of categories and implemented with the guidance of a faculty member. This course (or project) will be available to students the year of their graduation (students that have accumulated at least 168 ECTS). All students are required to take the course, unless they take “ECE 401/402 Senior Design Thesis” as an alternative to 403/404; however, this option is only available to students whose GPA is above 7.5, or to students who find a faculty member who wishes to work with them, and with special permission from the Department Council. The capstone design project is intended to prepare students to address challenging engineering problems that require collaboration with others and integration of electrical and computer engineering knowledge.
ECE Core Electives

Third-year students are required to take (depending on their programme of study) at least one or two restrictive ECE Core Elective courses (6 ECTS). These courses are chosen from a list of predetermined Core Electives, in consultation with their academic advisor; their purpose is to introduce and solidify the fundamentals of Electrical and Computer Engineering, and prepare students for their specific study direction (chosen in the fourth year).

EE Students must take at least one Core Elective Course from the following course list:

- ECE 307 Digital Integrated Circuits
- ECE 318 Programming Principles for Engineers
- ECE 325 Iterative Methods
- ECE 330 Power Systems & Materials Fundamentals
- ECE 333 Electromagnetics and Optical Engineering
- ECE 360 Computer Networks
- ECE 370 Introduction to Biomedical Engineering

CE Students must take at least two Core Elective Courses from the following course list:

- ECE 307 Digital Integrated Circuits
- ECE 318 Programming Principles for Engineers
- ECE 326 Introduction to Control Theory
- ECE 359 Introduction to Telecommunications
- ECE 370 Introduction to Biomedical Engineering

All Core Elective Courses are 6 ECTS each.

AREAS OF CONCENTRATION

In the fourth year of the Electrical and Computer Engineering curriculum, students are required to select one area (or more) of concentration, according to their academic interests. Specifically, students are required to take six Technical Elective Courses (36 ECTS), including three courses from the same area of concentration.

The areas of concentration for Electrical Engineering are the following:

- Telecommunication Systems and Networks
- Biomedical Engineering
- Power Systems
- Automation, Decision and Control
- Waves, Antennas and Optics

The areas of concentration for Computer Engineering are the following:

- Computer Hardware and Embedded Systems
- Computational Intelligence and Robotics
- Computer Networks

COURSE DESCRIPTIONS

Compulsory Courses

ECE 100 Introduction to Design and Engineering (5 ECTS)

This course consists of a series of lectures and laboratories, where students learn Engineering basics and design principles, the various ECE programmes of study, the problems that Electrical and Computer Engineers are asked to solve, and the methods used in dealing with engineering problems. The course also provides information on engineering ethics, social implications, intellectual property, project management, and teamwork. Basic electronics and computing skills are taught, as well as library skills and web site design. Laboratory Topics: Basics of computer use, Basic electronics laboratories, Fiber-optics and lasers laboratories, Power laboratories.

ECE 101 Introduction to Design and Engineering Laboratories (2 ECTS)

This is a laboratory course in which students learn Engineering basics and design principles, project and time management, and teamwork. Basic electronics, technology and computing skills are taught. Students are asked to solve an engineering problem, usually by designing and implementing a system both in hardware and software. This system must meet given specifications and must perform a specified task. The engineering problem usually involves a robot design, implementation and programming, and a robotics competition.

ECE 102 Electrical Circuits and Networks (7 ECTS)


ECE 105 Engineering Analysis and Modeling (5 ECTS)

This course provides the mathematical foundations for modeling and analysis of Engineering Systems. Topics include: Mathematical Modeling; Transformations; Approximation; Optimization; Linear Algebra; Complex Variables; Numerical Analysis.

ECE 202 Electronic Device Principles and Circuit Modeling (5 ECTS)

Prerequisite: ECE 102

Semiconductor Conduction, Energy Bands and Carrier Statistics, p-n Junction Diodes, LEDs, Photodiodes, MOSFET Structure and principles of operation, Bipolar Junction Transistor Structure and principles of operation. Large and small Signal Models, Low-frequency and High-frequency device models. Integrated device fabrication.

ECE 203 Circuits and Measurements Laboratories (5 ECTS)

Prerequisite: ECE 102

Introduction to Experimental Electrical Measurements and Circuits. Use of common instruments for the generation and measurement of current, voltage, resistance, capacitance, and inductance. Familiarization with the measurement practices in circuits and application of Basic Circuit Theorems (Ohm, Kirchoff, and Dividers.) Understanding the sources of errors and noise in Electrical Measurements and the difference between theoretical

**ECE 205 Electronic Devices and Circuits I (5 ECTS)**

**Prerequisite:** ECE 102


**ECE 210 Digital Logic Design (5 ECTS)**


**ECE 211 Digital Circuits Laboratory (3 ECTS)**

**Co-requisite:** ECE 210

The laboratory experiments involve the design and testing of Digital Systems using small- and medium-scale integrated circuits. Students are exposed to designing with both discrete components and CPLD/FPGA-based system boards. Computer-Aided Design tools and Hardware Description Programming Language (VHDL) are used extensively for design, simulation, and verification.

**ECE 212 Computer Organization (5 ECTS)**

**Prerequisites:** ECE 210, ECE 211 and CS 034

Introductory course on Modern Computer Architecture, focusing on the programmer-visible aspects of the machine and their corresponding implementation. Topics include: Data Representation in Digital Computers, the Stored Programme Concept, Addressing Modes, Instruction Formats and Instruction Sets, Data Path and Control Unit Design, Hardwired and Microprogrammed Control, Memory Components and the Memory Hierarchy, Computer Structure, Central Processing Unit, Machine Language, Vhdl Programming, introduction to Microprocessors and their uses, the special features of microprocessors (stack, interrupts, input ports, output ports, and displays), Performance Analysis and comparison, Benchmarking and Performance Metrics.

**ECE 213 Computer Organization Lab (2 ECTS)**

**Prerequisite:** ECE 212

Hands-on experience with data representation in Digital Computers, the Stored Programme Concept, addressing modes, Instruction Formats And Instruction Sets, Data Path and Control Unit Design, Hardwired and Microprogrammed Control, Memory Components and the Memory Hierarchy, Computer Structure, Central Processing Unit, Machine Language, Vhdl Programming.

**ECE 220 Signals and Systems I (6 ECTS)**

**Co-requisite:** ECE 224, **Prerequisite:** HMY 102


**ECE 221 Signals and Systems for Computer Engineers (6 ECTS)**

**Co-requisite:** ECE 224, **Prerequisite:** MAS 022


**ECE 222 Introduction to Random Signals and Systems (5 ECTS)**

**Co-requisite:** HMY 221


**ECE 305 Electronic Devices and Circuits II (5 ECTS)**

**Prerequisite:** ECE 205

ECE 306 Electronic Devices and Circuits Laboratory (5 ECTS)
Prerequisites: ECE 205 and ECE 305
Laboratory experiments involving basic diode characteristics, analysis and design of Electronic Circuits, differential amplifiers, power amplifiers, feedback amplifiers and BIPOLAR Digital circuits.

ECE 311 Discrete Analysis and Structures (6 ECTS)
Prerequisite: ECE 212
Function and Set Operations, Sequences and Summations, Proportional Logic, Predicate Logic, Rules of Inference, Methods of Proof, Principle of Induction, Relations, Graphs, Graph Algorithms, Trees, Combinations, Recursion, Recurrence relations.

ECE 312 Computer Architecture (5 ECTS)
Prerequisite: ECE 212
This course is a continuation of the architectural concepts presented in ECE 212. Topics include: High-performance Processor Design (datapath and control), Pipelining (datapath, control, hazards and exceptions, performance), Memory Hierarchy (caches, virtual memory), Interfacing Processors and Peripherals (memory, I/O, bus protocols), Parallel Processors, Shared Memory Multiprocessors and Coherence Protocols.

ECE 313 Engineering of Operating Systems (5 ECTS)
Prerequisite: CS 035
An introduction/overview to Modern Operating systems. Examination of the services and abstractions commonly provided by Operating systems, and study of the underlying mechanisms used to implement them. Topics include: Process Management, Scheduling, and Synchronisation; Interprocess Communication; Memory Management (basic, virtual, page replacement algorithms); Input/output and File Systems, Deadlocks, Unix/Linux Operating System, Distributed Operating Systems and Distributed File Systems. Programming assignments and case studies are used to illustrate the fundamental concepts.

ECE 314 Computer Architecture Laboratory (3 ECTS)
Co-requisite: ECE 312
Prerequisites: ECE 210, ECE 211, ECE 212 and ECE 213
This lab provides a hands-on introduction to the Architecture and Micro-architecture of Modern Microprocessors. Through implementation of a 5-stage RISC processor using HDL Language and functional simulation, students apply architectural and micro-architectural fundamentals towards understanding the impact and performance. Students will analyse and evaluate the performance of basic architectural principles employed in the design of RISC Processors, and evaluate how Instruction Level Parallelism is applied in a design laboratory.

ECE 316 Operating Systems and Networks Laboratory (3 ECTS)
Co-requisite: ECE 313 and ECE 360
Prerequisites: CS 034 and CS 035
This course prepares students for Computer Engineering practice in industry. Students are taught how to design and commission large Computer Systems, including Hardware and Software Systems. Ethical, social, economic, safety and legal issues are covered. Upon completion, students will be fluent in the following tasks: Project Management, Code Modularity, Costing, Marketing, Control, Standards, Code Verification and Testing, using CASE Tools and Debugging.

ECE 317 Engineering of Computing (6 ECTS)
This course consists of a sequence of lab assignments involving common problems in Data Networks and Operating Systems; Socket Programming, Queuing Theory Modeling, Thread Migration Techniques, Load Balancing and Scheduling Algorithms, resource allocation and task assignment problems and common data handling and file sharing policies, including network file sharing. The course integrates the practical problems from both Operating Systems and Data Networks, into a laboratory with the purpose of teaching students the principles of modern Operating Systems and Networks in a practical and hands-on approach.

ECE 320 Signals and Systems II (6 ECTS)
Prerequisites: ECE 220 and ECE 224

ECE 325 Iterative Methods (6 ECTS)
Prerequisite: CS 035
The course covers basic principles of optimisation and focuses on iterative algorithms for solving engineering problems. Topics that will be covered include Matrices and Matrix Operations, System Dynamics and Difference Equations, Fast Fourier Transforms (FFT) and Discrete Fourier Transforms (DFT), Linear Programming, Network Optimisation, Search Algorithms, Gradient-Based Techniques and Dynamic Programming.

ECE 326 Control Theory (6 ECTS)
Prerequisites: ECE 220/221, Co-requisite: ECE 320

ECE 327 Control Laboratory (2 ECTS)
Co-requisite: ECE 326
The course is complementary to the Dynamic Systems and Control course. It provides students with practical experience on how to apply the theory and methodologies to the analysis and design of Control Systems for specific engineering problems. The course is a series of laboratory exercises on System Modeling, Experimental System Identification/model Validation and simulation of the dynamic behavior of systems using software tools. It focuses on the design of control systems to meet prescribed specifications, examination of the simulated behavior, followed by hardware implementation and evaluation of the actual control performance.
ECE 331 Electromagnetic Fields (6 ECTS)
Prerequisite: MAS 023

ECE 340 Power Engineering (5 ECTS)
Power system components. Magnetic circuits, inductors, transformers and their equivalent circuits. Generation, transmission and utilization of electric power. 3-phase ac and dc systems. Fundamentals of electromechanical energy conversion. Power semiconductors: basic devices and circuit applications. DC/DC converters; buck, boost, buck-boost and their derivatives, basic operation and design criteria. AC circuits: SCR phase control, inverters, uninterruptable power supplies (UPS).

ECE 341 Electric Machines Laboratory (2 ECTS)
Co-requisite: ECE 340
In-depth analysis of the operation and the characteristics of transformers, DC machines and single-phase and three-phase AC machines. DC machine experiments include shunt, series and compound wound machines both in the motor and generator modes. AC machine experiments include squirrel cage and slip ring induction motors, and salient pole and round rotor synchronous generators/motors. The transformer experiments concentrate on no load and on load characteristics, and short circuit and open circuit tests.

ECE 358 Telecommunications Laboratory (2 ECTS)
Co-requisite: ECE 359
This course is a series of labs on analog, digital, and fiber-optic communications. The course includes analog communications experiments on amplitude, frequency and phase modulation and detection. It also includes digital communications experiments on PAM and PCM signal generation and demodulation, Delta modulation, channel bandwidth and noise, encoding and decoding, ASK/PSK/FSK signal generation and detection, and the effect of noise on ASK, PSK and FSK signals. Experiments on losses, dispersion, and optical power budget for Fiber-optic Communication Systems are also included.

ECE 359 Introduction to Communication Systems (6 ECTS)
Prerequisite: ECE 220, Co-requisite: ECE 320

ECE 360 Computer Networks II (5 ECTS)
Computer Network design goals. Circuit Switched, Packet Switched and Virtual Circuit Switched Networks. The course will introduce the Layering Approach and the OSI Layer Model. It will cover issues of the physical, data link and network layers and introduce the Internet Protocol (IP). Reliable end-to-end communication and the transport layer. Introduce the UDP and TCP Protocols.

ECE 401/402 Capstone Design Project I and II (7 ECTS each)
This is a full-year design project course requirement for all fourth-year Electrical and Computer Engineering students. During the spring term of their third year, students are required to form teams and each team is required to propose a project.

ECE 403/404 Capstone Design Course I and II (7 ECTS each)
This course, which spans two semesters (two courses), introduces the principles of Project Planning, Organization, Implementation, Verification and Evaluation. Through implementation of a Capstone Project, students will apply the principles and practices they have learned through their studies. The course encapsulates an array of learning outcomes related to Project Management, such as: capturing requirements and specifications, Strategic Decision Making and Planning, implementation methodologies and models (Waterfall Model, Data-flow Model, Finite State Machines, etc.), evaluation strategies, testing and verification methodologies, and other concepts. Furthermore, students will learn principles of time-planning and organization, independent learning techniques and collaboration and cooperation strategies through teamwork. Through project deliverables, students will learn project report writing strategies, exploitation and dissemination of results, presentation and outreach activities for future exploitation. The course features a selection of predetermined capstone projects, which will be given annually in collaboration by the Department council and the course instructor(s), and will cover an array of topics in Electrical and Computer Engineering.

Elective Courses for other Departments

EECE 001 Health and Technology (5 ECTS)
Medicine has evolved from an inaccurate art to a science which saves lives every day. This course will investigate the principles of some of the most important technological advancements in medicine and analyze the financial and ethical implications of their application. The course will help students understand not only the scientific and technological basis of the operation of modern medical instrumentation but also its inception, socio-economic impact, and possible future evolution. This course is designed for students of all majors and does not require Science or Engineering background.
<table>
<thead>
<tr>
<th>Programme of Studies for Computer Engineering</th>
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<tr>
<td><strong>1st YEAR</strong></td>
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<td><strong>1st Semester</strong></td>
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<tr>
<td>PHY 131 General Physics I: Mechanics and Waves</td>
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<td>and Thermodynamics</td>
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<td>MAS 021 Calculus I</td>
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<td>ECE 100 Introduction to Design and Engineering</td>
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<td>LAN 100 General Advanced English</td>
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<td>LAN 104 English for Technical Purposes</td>
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<td>MAS 024 Ordinary Differential Equations</td>
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<td>ECE 220 Signals and Systems I or</td>
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<td>ECE 221 Signals and Systems for Computer Engineers</td>
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<td>ECE 205 Electronic Devices and Circuits I</td>
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<td>ECE 212 Computer Organization</td>
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<td>ECE 213 Computer Organization and Microprocessors Laboratory</td>
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<td>ECE 224 Introduction to Random Signals and Systems</td>
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## Analytical Programme of Studies for Electrical Engineering

### 1st Year

#### 1st Semester

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<td>PHY 131</td>
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#### 2nd Semester

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**Year Total**: 60

### 2nd Year

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**Year Total**: 60

### 3rd Year

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<td>ECE 340</td>
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<td>ECE 3XX</td>
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**Year Total**: 60

### 4th Year

#### 7th Semester

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#### 8th Semester

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<td>ECE 402/404</td>
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<td>PBA 434</td>
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<td>ECE</td>
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</tbody>
</table>

**Year Total**: 60

**Grand Total**: 241
TECHNICAL ELECTIVE COURSES (6 ECTS each)

**Electrical Engineering Directions of Study**

Students following the Electrical Engineering program should take 6 Elective Courses (36 ECTS units) from the following list of Technical Elective Courses, of which 3 courses must be chosen from one of the following areas of concentration. EE students can take up to two courses offered to Computer Engineering students (i.e., ECE 460) as electives, subject to approval from the Department.

**Communication Systems and Networks**
- ECE 453 Wireless Telecommunication Networks
- ECE 455 Fiber-optic Communication Systems
- ECE 457 Computer Systems and Network Security
- ECE 360 Computer Networks II

**Biomedical Engineering**
- ECE 429 Digital Signal Processing
- ECE 471 Neurophysiology and Senses
- ECE 473 Instrumentation and Sensors
- ECE 476 Biomedical Imaging
- ECE 477 Biomedical Imaging
- ECE 478 Digital Image Processing

**Power Engineering & Energy**
- ECE 441 Electromechanical Energy Conversion
- ECE 442 Power System Analysis
- ECE 444 Power Electronics
- ECE 445 Power Systems: Generation and Control
- ECE 447 Renewable Energy: Photovoltaics
- ECE 448 Advanced Electric Machines

**Control Systems and Computational Intelligence**
- ECE 421 Introduction to Computational Intelligence
- ECE 424 Fault-Tolerant Systems
- ECE 425 Introduction to Robotics
- ECE 428 Control Systems Laboratory
- ECE 429 Digital Signal Processing

**Waves and Antennas and Optics**
- ECE 435 Optical Engineering and Photonics Laboratory
- ECE 437 Electromagnetic Waves and Antenna Theory
- ECE 438 Microwave Circuits
- ECE 447 Renewable Sources of Energy: Photovoltaics

**Computer Engineering Directions of Study**

Students following the Computer Engineering program should take 6 Elective Courses (36 ECTS units) from the following list of Technical Elective Courses, including 3 courses from one of the following areas of concentration. CE students can take up to two courses offered to Electrical Engineering students as electives, subject to approval from the Department.

**Embedded Systems and Hardware**
- ECE 406 Digital VLSI Circuit Design
- ECE 407 Computer Aided Design for VLSI
- ECE 408 Digital Design with FPGA
- ECE 409 Computer Architecture II
- ECE 424 Fault-Tolerant Systems

**Intelligent Systems and Robotics**
- ECE 421 Introduction to Computational Intelligence
- ECE 424 Fault-Tolerant Systems
- ECE 425 Introduction to Robotics
- ECE 429 Digital Signal Processing
- ECE 480 Brain-Computer Interface

**Computer Networks**
- ECE 417 Distributed Systems
- ECE 424 Fault-Tolerant Systems
- ECE 453 Wireless Telecommunication Networks
- ECE 457 Computer Systems and Network Security
Introduction
Mechanical and Manufacturing Engineering is a key discipline that impacts on nearly every aspect of daily life and is at the heart of all new technological developments.

The Department of Mechanical and Manufacturing Engineering is one of the four departments in the newly established Faculty of Engineering at the University of Cyprus. The first undergraduate students were accepted in September 2003, while the graduate programme started in January 2005.

The Department of Mechanical and Manufacturing Engineering offers a high-quality undergraduate degree programme. This programme emphasises fundamental principles that prepare students for leadership roles in a challenging and rapidly changing technological world. Research and innovation are encouraged in an environment that fosters cooperation among faculty, students, industry, and research organizations. The faculty in the Department of Mechanical and Manufacturing Engineering is comprised of experienced and distinguished academicians with expertise in a wide range of research fields.

The Department offers the following undergraduate degrees:
1. B.Sc. in Mechanical and Manufacturing Engineering
2. Minor Degree in Biomedical Engineering

The educational system in the Department is designed not only to provide high quality education to the students in their selected areas of study, but also to create entrepreneurial students who will be confident to promote innovative ideas for the purpose of generating a new high-technology-based industry in Cyprus.

MECHANICAL AND MANUFACTURING ENGINEERING
The programmes of study at the University of Cyprus are based on the European Credit Transfer and Accumulation System (ECTS). For the acquisition of a B.Sc. Degree in Mechanical and Manufacturing Engineering, the minimum number of ECTS is 240. Out of this minimum number, 15 ECTS should be elective courses (not included in the student’s specialisation) from two different faculties of the
University, while 10 ECTS should be English language courses.

The programme is designed to produce highly qualified graduates with a strong background in the fundamentals of the field, societal sensitivity and the independence of thought required for a successful career in Mechanical and Manufacturing Engineering. The curriculum follows a deductive approach to learning. This approach follows naturally from the fact that all physical phenomena important to Mechanical and Manufacturing Engineers are governed by a set of simple physical laws. To meet an actual need posed by society, a successful engineer is expected to use these laws to describe the problem of interest and then, by using both his/her experience, devise a solution. The solution is most often obtained through a combination of analytical, computational, and experimental means. Therefore, the curriculum educates students in basic physics while reinforcing their mathematical skills and their ability to use computations and experimentation to obtain solutions.

A critical component of the educational system in the Department is to produce creative and entrepreneurial students who will be willing to further develop their ideas into commercial products.

CAPSTONE DESIGN PROJECT

This is a full-year design project course requirement for all fourth-year Mechanical and Manufacturing Engineering students. During the spring term of their third year, students are required to form teams. Each team then chooses a project from among the following categories:

• Supervisor-suggested project
• Student-suggested project
• Industry-suggested project
• Faculty of Engineering competition project
• Interdisciplinary project in collaboration with students from other departments

Students will be encouraged to select challenging and innovative projects that have commercial potential. For example, these projects can relate to a variety of areas in the high technology sector.

AREAS OF CONCENTRATION

Students following the Mechanical and Manufacturing Engineering programme should take a minimum of 5 Elective Courses (30 ECTS) from the list of technical Elective Courses. At present, elective courses are arranged according to concentration, i.e., General Mechanical Engineering, Manufacturing Engineering, Biomedical and Biotechnology Engineering and Materials Science and Engineering. As the Department grows, new areas of concentration will be offered.

AREAS OF RESEARCH

Research in the Department of Mechanical and Manufacturing Engineering covers a wide range of fields such as:

• Thermofluid Mechanics and Energy Systems
• Materials Science and Engineering
• Mechanical System Modelling and Controls
• Design, Manufacture, Automations and Robotics
• Micro- and Nano-technology
• Biomedical Engineering and Biotechnology
• Computational Mechanics

COURSE DESCRIPTIONS

Compulsory Courses

MME 101 Project: Technology and Society I (6 ECTS)
Project-based course that challenges students to identify, investigate, and report on a topic examining how science or technology interacts with societal structures and values. The objective of the course is to enable students to understand, as citizens and as professionals, how their careers will affect the larger society of which they are a part. This project is usually undertaken in a student’s first year of studies.

MME 102 Project: Technology and Society II (6 ECTS)
Continuation of the course “Project: Technology and Society I.”

MME 103 Introduction to Electromagnetism and Optics (7 ECTS)
The aim of the course is to introduce students to the basic concepts and phenomena of Electromagnetics and Optics and to develop their ability to solve problems using calculus. Topics covered: Electric Charge and Matter; Electric Field; Electrostatic Potential; Capacitors and Dielectrics; Electric Current and Resistance; DC Circuits; Magnetism; Magnetic Fields; Ampere’s Law; Faraday’s Law; Inductance and Coils; Electromagnetic Oscillations; AC Circuits; Electromagnetic Waves; Wave Propagation; Superposition; Stationary Waves; Nature of Light; Geometrical Optics; Interference of Light Waves; Diffraction; Polarisation.

MME 111 Introduction to Computers for Engineers (6 ECTS)
The course offers an introduction to the use of Computers. The concepts of Discrete Arithmetic and the principles of programming are introduced through a series of simple examples from various branches of mechanics. Emphasis is placed on the development of expertise and confidence in the use of computers as tools for engineering analysis.

MME 121 Introduction to Mechanics (7 ECTS)
This is the first in a series of courses under the overall title of “Physics for Engineers” and its aims are to introduce students to basic concepts of Statics, Dynamics and Thermodynamics. Topics include: Statics of Particles; Systems of Forces; Equilibrium of Rigid Bodies; Kinematics of Particles; Newton’s Second Law; Energy and Momentum Methods.

MME 141 Computer-Aided Design (6 ECTS)
The ability to create and interpret detail and assembly drawings is a necessity for engineers to communicate ideas. Emphasis is
placed on relating drawings to the design and manufacturing processes. Topics covered: International Conventions and Standards; Drawing Scales; Types of Drawing Lines; Projection Planes; Views and View Placement, Isometric Projections; Auxiliary Views; Sections and Section Types; Three Dimensional Geometrical Modeling. All topics are applied during the team project in order to develop an integrated three-dimensional model of a mechanical device. The Autodesk Mechanical Desktop and SolidWorks are used as a tool for creating these engineering drawings and models.

**MME 211 Thermodynamics (6 ECTS)**

**Prerequisite: MAS 041**

The course introduces the modelling of Open and Closed systems through the use of the first and second law of thermodynamics. The laws of Thermodynamics, the state principle, and the use of property tables and software are discussed in depth and applied to energy and entropy balances of engineering systems such as Power production Cycles and Refrigeration Cycles. While a macroscopic point of view is adopted, reference to the microscopic state of matter is made whenever necessary for clarity and understanding.

**MME 212 Fluid Mechanics (6 ECTS)**

**Prerequisite: MAS 041**

A study of the fundamental laws of statics, kinematics and dynamics applied to Fluid Mechanics. The course will include Fluid Properties, Conservation of mass, momentum and energy as applied to real and ideal fluids. Laminar and Turbulent Flows, Fluid Resistance and Basic Boundary Layer Theory will also be considered.

**MME 221 Introduction to Modelling and Analysis of Dynamic Systems (6 ECTS)**

**Prerequisite: MME 121**

The idea behind this course is to use a unified approach for abstracting real mechanical, fluid, and electrical systems into proper models in graphical and state equation form to meet Engineering Design and Control System Objectives. System Analysis tools are used to calculate characteristics of system behavior and to determine the correctness of the modeling assumptions. The analysis is also carried out using Matlab/Simulink through numerical methods. Topics covered: Lump Parameter Models; Mechanical and Rigid Body Models; Electrical and Hydraulic Models; Interconnections; State Equations; Linear System Analysis; Laplace transforms - transfer functions; Time and Frequency Response; Poles and Zero-stability.

**MME 231 Strength of Materials (6 ECTS)**

**Prerequisite: MME 121**

Energy Methods; Buckling of Columns, including approximate methods; bending of beams of Unsymmetrical Cross-Section; Shear Centre and Torsion of thin-walled sections; Membrane Stresses in Axisymmetric Shells; Elastic-plastic Bending and Torsion; Axisymmetric Bending of Circular Plates.

**MME 251 Applied Chemistry for Engineers (6 ECTS)**


**MME 252 Material Science and Engineering (6 ECTS)**

A course in understanding the structure-property relations of metals, ceramics and plastics, their working and heat-treating and, ultimately, their selection for engineering applications. Properties investigated may be chemical, mechanical, thermal, nuclear, electrical or optical. Topics include: Crystal Structure; Material Microstructure; Dislocations and Defects; Phase Diagrams and Phase Transformations; Processing and Mechanical properties of metals, ceramics, polymers, and composites; Heat treatment of metals; Strain hardening; Fracture, Fatigue and Multi-Axis Loading; Creep and Stress Relaxation; Corrosion; Environmental Degradation of materials; Materials-related Design issues, Materials selection. The course also includes demonstrations and/or laboratory experiments that introduce students to differences among materials.

**MME 261 Mechatronics and Automated Systems (6 ECTS)**

**Prerequisites: MAS 043**

The first part of the course introduces students to analogue and Digital Electronics, to Power Electronics, and Mechanical Devices and Automated Systems whose function is governed and controlled by electronics. The second part focuses on signals and systems, their mathematical representation and processing, Fourier and Laplace transforms and their properties, and on Linear Time Invariant Systems. Sampling Theory, Shannon’s Theorem and restoration of signals is also briefly discussed.

**MME 311 Numerical Methods (6 ECTS)**

**Prerequisites: MAS 042, MAS 043 and MME 111**

An introduction to numerical methods for the solution of real engineering problems in the areas of vibrations, statics and dynamics, heat transfer, wave propagation, etc. Topics covered include Numerical Integration and Optimization, and solution of ordinary and partial differential equations with Taylor series, Euler, Runge-Kutta, Finite differences, and Crank-Nicholson Methods. The course also covers solutions to initial and boundary value problems. It includes a programming component for writing algorithms for the numerical solutions in FORTRAN and use of established packages like Matlab.

**MME 312 Heat Transfer (6 ECTS)**

**Prerequisites: MME 212, MAS 033**

MME 313 Energy Conversion Systems (6 ECTS)
Prerequisite: MME 211

MME 321 Computer Control Systems (6 ECTS)
Prerequisites: MME 221
Comprehensive review of computer hardware issues in Modern Sensor, Actuator and Control Technology, and Use of System Simulation (Matlab/Simulink) for computational testing of controller designs. Review of classical, continuous-time system dynamics and Analog Controller Design Theory, in the domain of differential equations and Laplace transfer functions. Highlight is the actual implementation of feedback systems with the computer as the controller in the laboratory.

MME 331 Vibrations and Acoustics (6 ECTS)
Prerequisites: MME 231
An introductory course on vibrations and acoustics. Basic procedures of modelling with emphasis on the relationship between physical parameters and the coefficients of 2nd order differential equations will be explained. Subsequently, an explanation on how these parameters determine the concepts of natural frequency and resonance and their importance in characterising the behaviour of free and forced vibrations will be discussed. The part of the course covering the vibrations topic ends with a study of systems with two degrees of freedom by introducing the Notion of Mode Shapes. In the acoustics part the Wave equation is derived and analysed.

MME 332 Physiology and Bioengineering (6 ECTS)
Prerequisites: MAS 043
The course recognises and quantifies the role of electromechanical phenomena and manufacturing processes in biological organisms from the cellular to the organ level. Thermal, Electro-Mechanical, Fluid-Mechanical Control Mechanisms and their interrelations and interdependence with Synthetic, and Regenerative Mechanisms are discussed and evaluated in cells, tissues, organs and the human body through consideration and discussion of principles of physiology. At this level, the course attempts to introduce students to the design and implementation of Medical Devices, Implants, Prosthetics, Exercise Equipment and other Biomedical Engineering Devices. Practical exercises include, among others, the design of an Electrocardiogram, a Pacemaker, Drug Infusion Systems, etc.

MME 341 Design and Manufacturing (6 ECTS)
Prerequisites: MME 141
Introduction to modern Computer-aided Design and Manufacturing Technology, with emphasis on geometrical aspects (material aspects are covered in MME 342). Design by CAD, representation of 2D/3D lines, surfaces and objects, geometric processing by homogeneous transformations. Rapid prototyping with material deposition - technologies, systems and applications. Machining processes, material removal, non-traditional technologies, manufacturing by CAM. Shaping by deformation/flow of foil and bulk material, CAE analysis. Surface patterning by lithography, coating and etching, micro- and nanotechnology. Metrology, microscopy, scanning and machine vision, instruments and image processing. Tolerances, fits, surface quality and defects. Assembly and transportation with automation, robotics and navigation systems. Applications of Design and Manufacturing Systems.

MME 342 Manufacturing Processes (6 ECTS)
Prerequisites: MME 341
This course will take a broad look at the various Manufacturing Processes for available Engineering Materials. The lecture material will be reinforced by laboratory sessions and problem sets. Topics covered include: Introduction to Manufacturing Processes for engineering materials; Review of Fundamental Mechanics of Plastic Deformation; Structure and manufacturing properties of metals; Surface structure, treatments and tribology; Metal-casting and heat treatment processes; Bulk deformation processes: turning, milling, drilling, etc.; Material removal processes: abrasive, chemical, electrical and high-energy beams; Joining processes: soldering, brazing, welding, etc.; Micro- and nanofabrication; Properties and processing of polymers and plastics; Properties and processing of metal powders, ceramics, glasses, composites and superconductors.

MME 343 Machine Elements (6 ECTS)
Prerequisite: MME 231

MME 344 Mechanical Design (6 ECTS)
Prerequisites: MME 343

MME 400 Capstone Design I (7 ECTS)
Prerequisite: Three years of mechanical engineering education
This is a full year design projects course (MME 400 and MME 401) requirement for all fourth-year mechanical engineering students. During the spring term of their third year, students are required to form teams and each team is required to propose a project.

MME 401 Capstone Design II (8 ECTS)
Prerequisite: MME 400
Continuation of the course “Capstone Design I.”
Technical Elective Courses

**MME 411 Refrigeration, Heating, and Air-conditioning (6 ECTS)**

*Prerequisite: MME 312*

Analysis and design of Air-conditioning Systems for maintaining comfort conditions in spaces of small and large buildings. Analysis of Refrigeration Systems for industrial applications. Topics covered: Climatological Data; Comfort conditions; Psychrometry; Solar Loads; Air-conditioning loads; Loads of Walls, Class Windows, Lighting, Human Heat, Devices; Refrigerants; Basic Refrigeration Cycles; Air Conditioning System: fan-coil units, air (variable flow or temperature), water/air, heat pump; Design of Air-conditioning System.

**MME 412 Advanced Computational Mechanics (6 ECTS)**

*Prerequisite: MME 311*

The course offers an advanced treatment of various topics in Computational Mechanics, some of which were introduced at an elementary level in earlier courses. Topics covered may include the numerical solution of systems of differential equations, Monte Carlo methods and Molecular Dynamics Methods. The accuracy and stability of methods is examined in depth. An Introduction to Parallel Computing may also be included.

**MME 413 Electromechanical Energy Conversion Systems (6 ECTS)**

*Prerequisite: MME 103*


**MME 414 Internal Combustion Engines (7 ECTS)**

*Prerequisite: MME 312*


**MME 415 Solar Engineering and Installations of Solar Energy (6 ECTS)**

*Prerequisite: MME 411*

The course focuses on understanding the characteristics of the solar system, the potential for passive solar heating in buildings and the design of Solar Thermal Systems. The course examines energy use and thermal energy balance of different types of buildings and the potential for energy savings. Other topics are passive solar techniques for both heating and cooling and the role of building design and orientation, daylight, natural ventilation, micro-climate, and the integration of active elements for thermal applications. The course includes engineering studies for real-life applications.

**MME 421 Advanced Dynamics and Vibrations (6 ECTS)**

*Prerequisite: MME 331*

The course studies the motion of Rigid Body Systems and multi-degree of freedom Lumped Parameter Systems. The equations of motion are derived using different methodologies and then analysed using time domain and Modal Analysis Techniques. Topics covered: Degrees of Freedom; Generalised coordinates; Principle of Virtual Work; D’ Alembert’s Principle; Variational Principles; Lagrange’s Equations; Eigenvalue Problem; Natural Modes of Vibration; Initial Conditions Response; Response by Modal Analysis.

**MME 422 Dynamics of Machines and Mechanisms (6 ECTS)**

*Prerequisite: MME 221*


**MME 431 Therapeutic and Diagnostic Applications of Ultrasound (6 ECTS)**

*Prerequisites: MAS 043*

This class deals with the therapeutic and diagnostic applications of ultrasound, such as thermal ablation of tissue or cancer, sonothrombolysis, drug delivery, and imaging. It also covers the basic principles of engineering acoustics: propagation of sound in gases and fluids, plane waves, reflections and transmission, refraction, sound absorption, and sound beams. In laboratory exercises ultrasonic transducers are used for thermal ablation of tissues and drug delivery.

**MME 432 Introduction to Medical Imaging (6 ECTS)**

*Prerequisites: MAS 043*

Introductory course designed for senior undergraduates in engineering who have an interest in Bioengineering and Biomedical Imaging. Following a brief review of reconstruction algorithms that include Fourier, Radon Transformations and others, the course proceeds to discuss and describe the physics and engineering principles that underlie and govern important, Modern Diagnostic Imaging Modalities and Techniques, including Optical Imaging, Ultrasound, Magnetic Resonance Imaging and Spectroscopy, X-rays, Computer Tomography and Nuclear Medicine. Topics covered: Review of Fourier and Radon Transformations; Fundamentals of Magnetic Resonance and Spectroscopy; Optical Imaging; Ultrasound; X-Rays; Computer Tomography; Positron Emission and Single Photon Computer Tomography (PET/SPECT).

**MME 433 Advanced Strength of Materials (6 ECTS)**

*Prerequisite: MME 231*

Beam Bending: stress analysis, oblique bending, second moments of area and neutral axis. Elastic curve, double integration method, surface curvature methods, Castigliano energy methods, Mohr circle, applications to statically indeterminate problems. Shear stresses, shear centre, shear
stresses effects to deflection. Shaft torsion and torsion of cross sections with thin walls - Prandtl ratio. Beam stress analysis subjected to composite loading. Equilibrium problems, buckling of thin rods, Euler theory and its limit of applicability, boundary conditions, critical buckling load as design criterion. Introduction to fracture mechanics.

MME 434 Cell and Tissue Mechanics (6 ECTS)
The aim of the course involves the study of the mechanical behavior of native human tissues, and how their mechanical properties are related to tissue function and pathology. Basic knowledge of mechanics (stresses, deformations, balance laws) will be employed to study the mechanical response of tissues such as arteries, heart valve leaflets, muscle tissue and bones. Subsequently, we will show how changes in the mechanical properties of these tissues can lead to diseases such as hypertension, and arteriosclerotic plaques. The course does not require knowledge of biology.

MME 441 Production Management (6 ECTS)
Prerequisite: PBA 243

MME 451 Structural and Morphological Characterisation of Materials (6 ECTS)
Prerequisite: MME 252
An introductory course on structural and morphological characterisation of materials and the techniques that are widely used in materials science and engineering. Topics include: Radiation-matter interaction; X-ray Diffraction Techniques; Neutron Diffraction Technique; Optical Microscopy; Electron Microscopy; Scanning Tunnelling Microscopy; Atomic Force Microscopy; Elemental Analysis. The course includes demonstrations and/or laboratory experiments that introduce students to the experimental procedure of materials characterisation.

MME 452 Mechanical Properties of Polymers and Polymer Processing (6 ECTS)
Prerequisite: MME 252
The course is divided into two parts. In the first part, the mechanical properties of polymers (e.g., elasticity, viscoelasticity, strength, etc.) and the effect of their structural and chemical characteristics on their mechanical behaviour are discussed. The structure-properties correlation, the thermal transitions of polymers and how these are capable of affecting their properties, as well as the rheological characteristics of polymeric solutions and melts are analysed. In the second part, different methods used in polymer processing such as mixing, reinforcement, molding, etc. are discussed.

MME 461 Nano-scale Mechanics and Thermodynamics (6 ECTS)
Prerequisites: MME 211 and MME 331
The operating environment of Nanostructures is completely different from that of their macroscale counterparts. For example, responses to thermal fluctuations, and for certain scales to quantum potentials, contribute to their positional uncertainty. A Nano-system Designer has to make sure that nano-devices operate successfully irrespective of the above uncertainties. This course studies the basic statistical mechanics required to analyse various structures that operate in nano-environments. Topics: statistical mechanical description of ensembles; partition function; entropy and free energy and interpretation in both nano- and macro-environments; thermal excitation of harmonic oscillators and elastic bending of thermally excited rods; nanomechanical energy dissipation.

MME 462 Science of Solid Materials (6 ECTS)
Prerequisite: MME 252
The objective of this course is the understanding of fundamental phenomena in the science of solid crystalline materials. The course is a continuation of MME 252 and covers the following topics: Atomic structure and interatomic bonding - The structure of crystalline metals and ceramics - X-ray diffraction - Imperfections in metals and ceramics - Electrical properties - Thermal properties - Magnetic properties - Optical properties - Materials selection and design considerations.

MME 463 Introduction to the Physical Principles, Design and Fabrication of MEMs (6 ECTS)
Prerequisite: MME 221
This course is an introduction to Micro-electro-mechanical systems (MEMs) by giving emphasis to the relevant physical principles, design and fabrication. A historical overview is given and then simple MEMs are described, e.g. switches, comb drives, pressure sensors with emphasis on the transduction principles i.e. mechanical, electrostatic, thermal in order to gain in depth understanding of device operation. Detailed attention is then given to the fabrication of MEMs using standard semiconductor processing technology. In particular lithography i.e. photolithography, electron beam lithography etc are covered in detail, along with thin film deposition, wet and dry etching methods i.e. surface and bulk micromachining.

MME 464 Introduction to Semiconductors and Photovoltaic Devices (6 ECTS)
Prerequisite: MME 252
This elective covers basics of Semiconductors with emphasis on Photovoltaic Devices. Subject matter: The dominance of Si. Crystal structure of Si. Intrinsic and extrinsic semiconductors, doping. Three dimensional density of states, carrier densities, law of mass action, neutrality condition. Resistance, resistivity, mean time between collisions, mobility, current density, drift current. Energy band diagrams of –n and –p type semiconductors in equilibrium. Continuity equation, diffusion current. Total current expressions. The pn junction in equilibrium, built in potential, depletion region, electric field. The pn junction in forward and reverse bias. Current voltage characteristic. The p-n junction as a Photovoltaic Device.
## ANALYTICAL PROGRAMME OF STUDIES

### 1st YEAR

#### 1st Semester

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<td>MME 101</td>
<td>Project: Technology and Society I</td>
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<tr>
<td>MME 111</td>
<td>Introduction to Computers for Engineers</td>
<td>6</td>
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<td>MME 121</td>
<td>Introduction to Mechanics</td>
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#### 2nd Semester

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<td>LAN 104</td>
<td>English for Technical Purposes</td>
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<td>MME 102</td>
<td>Project: Technology and Society II</td>
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<td>MME 103</td>
<td>Introduction to Electromagnetism and Optics</td>
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<tr>
<td>MME 141</td>
<td>Computer-Aided Design</td>
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**YEAR TOTAL**: **60**

### 2nd YEAR

#### 3rd Semester

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<td>MME 221</td>
<td>Introduction to Modelling and Analysis of Dynamic Systems</td>
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<td>MME 231</td>
<td>Strength of Materials</td>
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<td>MME 251</td>
<td>Applied Chemistry for Engineers</td>
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#### 4th Semester

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<tr>
<td>PBA 243</td>
<td>Applications to Operations Research</td>
<td>6</td>
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<td>MME 212</td>
<td>Fluid Mechanics</td>
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<tr>
<td>MME 252</td>
<td>Material Science and Engineering</td>
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<td>MME 261</td>
<td>Mechatronics and Automated Systems</td>
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**YEAR TOTAL**: **60**

### 3rd YEAR

#### 5th Semester

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<td>MME 312</td>
<td>Heat Transfer</td>
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<td>MME 331</td>
<td>Vibrations and Acoustics</td>
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<td>MME 341</td>
<td>Design and Manufacturing</td>
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**YEAR TOTAL**: **60**

#### 6th Semester

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<td>MME 321</td>
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</tr>
<tr>
<td>MME 332</td>
<td>Physiology and Bioengineering</td>
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**YEAR TOTAL**: **60**

### 4th YEAR

#### 7th Semester

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#### 8th Semester

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<td><strong>TOTAL</strong></td>
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**YEAR TOTAL**: **60**

**GRAND TOTAL**: **240**
THE GRADUATE SCHOOL
General Information
The Graduate School was formally established in January 2012, when the Department and postgraduate student representatives were appointed to the School Board, and the Dean and the Vice-Dean of the Graduate School were elected.

The Graduate School differs from other Faculties of the University, in that it does not comprise departments' programmes (except the MBA). The Graduate School coordinates the evaluation, development and promotion of postgraduate programmes. Although the programmes are offered by the academic department of the University, the Graduate School coordinates the whole process without intervening in the academic work of the departments.

OBJECTIVES OF THE SCHOOL
The objectives of the Graduate School for the first three years are the following:

• To simplify the University rules currently governing postgraduate studies. This will enable the departments to handle many student issues internally, the regulations for which will be approved and monitored by the Graduate School. Postgraduate research programmes must also be clearly distinguished from the taught programmes for the evaluation of postgraduate studies.

• To adopt quality assurance and measures for the evaluation of postgraduate studies in order to improve the education provided by the University of Cyprus.

• To encourage interdepartmental programmes of study, including research programmes and further synergies among the departments.

• To encourage the departments to centrally organise common equipment and other research and study tools.

• To assist the departments in obtaining external financial support for postgraduate studies and research.

Dean of the Graduate School:
Professor Charis R. Theocharis,
Department of Chemistry

Vice-Dean of the Graduate School:
Professor Constantinos Constantinou,
Department of Education
FACULTY OF HUMANITIES

• Department of English Studies
• Department of French and Modern Languages
• Department of Turkish and Middle Eastern Studies
• Language Centre
Introduction
The Department of English Studies offers a B.A. degree in English Language and Literature. After a general course of study in the first year, students opt for one of three distinct tracks: a) Anglophone Literature and Cultural Studies, b) Theoretical and Applied Linguistics or c) Translation Studies. The Department also offers four minor programmes: a) English Literature, b) English Linguistics, c) Gender Studies, d) American Literature and Culture.

Philosophy and Objectives of Each Track
A) Anglophone Literature and Cultural Studies

Philosophy
This track offers the possibility of comparative study and analysis of anglophone and related literatures, and engages in depth with major authors, the most significant literary genres, periods and movements, applying a range of critical and methodological approaches to the interpretation of texts within different geographical and historical contexts.

Given the transcultural nature of the English language and literature in a globalized world, the critical and interdisciplinary analysis of social and cultural practices within the realities of a particular place are given prominence. The aim is to develop the ability to identify ethical and socio-political issues in literature, art and culture more generally, within a broader understanding of the contemporary role of the critical humanities.

Objectives
The track in Anglophone Literature and Cultural Studies is designed to provide students with the ability to:

• Develop a high level of communicative competence in the use of English;
• Master the standards and conventions of academic discourse and writing;
• Apply a range of critical and methodological approaches to the study of literary and related texts;
• Identify and evaluate relevant sources of information and to use them critically in the process of developing knowledge and interpretations;
• Think and articulate ideas creatively, and to become critical and self-reflective independent learners.

B) Theoretical and Applied Linguistics

Philosophy

This programme highlights the epistemological significance of Linguistics and offers students a scientific study of Linguistics focused on two axes: Theoretical and Applied Linguistics.

Theoretical Linguistics focuses on the examination of the structure of English in all its manifestations (Phonetics, Phonology, Morphology, Syntax, Pedagogical Grammar). Further objects of study are: the significance and interpretation of language within (Semantics) and outside (Pragmatics) its structure, language change (Historical Linguistics), language in the inner world of the individual (first language acquisition, language disorders) and Comparative Linguistics. Applied Linguistics investigates the pedagogical aspects of language teaching, providing efficient training in the teaching of English as a foreign language. Other branches of Applied Linguistics offered are, for instance, second language acquisition and sociolinguistics.

Objectives

The track in Theoretical and Applied Linguistics is designed to provide students with:

• A high level of communicative competence in the use of English;
• The theoretical background necessary to understand the structure and use of language in general and of the English language in particular;
• The ability to use knowledge of linguistics and the English language in research and teaching.

C) Translation Studies

Philosophy

The track in Translation Studies focuses on the theory and practice of translation, but also on the wider field of intercultural studies and its interaction with translation. Translation is no longer considered an exclusively language-related phenomenon, but is rather perceived as an intercultural practice, given that comparative skills and an intercultural perspective constitute an important foundation for the study and practice of translation. The Department of English Studies is offering this track in response to students’ need for alternative professional opportunities, especially in light of the rapid growth of translation as a profession around the world in the last decades.

Objectives

The track in Translation Studies is designed to provide students with:

• A high level of communicative competence in the use of English;
• The fundamental critical and practical skills needed for various areas of language transfer between English and Greek;
• The theoretical background necessary to develop an awareness of translation as an intercultural activity beyond language.

In addition to the objectives specific to each track, the B.A. degree in English Language and Literature aims to help students develop the reflective awareness, characteristic of the Humanities, that problems of knowledge and truth cannot be divorced from the textual and historical conditions of their emergence.

To achieve these objectives, the programme offers a range of courses in Language Development, Theoretical and Applied Linguistics, Literature, History and Culture, Literary Theory, Translation Theory and Practice, Research and Teaching Methodology. Students who successfully complete the programme may:

• Pursue a career in teaching, professional translation, public or foreign service, and media and communication;
• Undertake postgraduate studies in a wide variety of areas, including British, American or Comparative Literature, Literary Theory, Cultural Studies, Theoretical and Applied Linguistics, Translation Studies, Theatre Studies, Media and Communication Studies.

English is the language of instruction in all courses; therefore, a high level of proficiency is required for admission to the programme. All courses are credited in ECTS.

DEGREE REQUIREMENTS

A) For a B.A. Degree in English Language and Literature with a specialisation in Anglophone Literature and Cultural Studies, the course requirements are as follows:

<table>
<thead>
<tr>
<th>Number of Courses</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>Language Component</td>
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<tr>
<td>Professional Training</td>
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<td>Core &amp; Track Electives</td>
<td>18-20</td>
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<td>(minimum)</td>
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<tr>
<td>Core &amp; Other Electives</td>
<td>9-11</td>
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<td>(from other Tracks)</td>
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<td>Foreign Language (non-English)</td>
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<tr>
<td>University Electives</td>
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</table>
B) For a B.A. Degree in English Language and Literature with a specialisation in Theoretical and Applied Linguistics, the course requirements are as follows:

<table>
<thead>
<tr>
<th>Number of Courses</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>Language Component</td>
<td>3</td>
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<tr>
<td>Professional Training</td>
<td>1</td>
</tr>
<tr>
<td>Core &amp; Track Electives (minimum)</td>
<td>17-19</td>
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<tr>
<td>Core &amp; Other Electives (from other Tracks) (maximum)</td>
<td>10-12</td>
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<tr>
<td>Foreign Language (non-English)</td>
<td>3</td>
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<td>University Electives</td>
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**Overall Degree Organisation**

The courses of the B.A. in English Language and Literature are divided into four groups according to the following course codes:

- **ENG 101-170** Language Component and Introductory Courses
- **ENG 350** Compulsory Courses in Professional Training

**Tracks**

A) For the track in Anglophone Literature and Cultural Studies, students must choose two courses from each of the following areas:

- **ENG 211-219** Topics in the Study of Fiction
- **ENG 220-229** Topics in the Study of Poetry
- **ENG 330-339** Topics in the Study of Drama

In addition to these courses, the following course is compulsory for all students:

- **ENG 310** History of Literary Theory and Criticism

B) For the track in Theoretical and Applied Linguistics, students must choose one course from each of the following areas:

- **ENG 250-255** Topics in Phonetics and Phonology of English
- **ENG 256-259** Topics in Semantics and Pragmatics
- **ENG 260-269** Topics in Morphology and Syntax

In addition to these choices, the following courses are compulsory for all students:

- **ENG 240** Pedagogical Grammar
- **ENG 241** Sociolinguistics
- **ENG 340** Language Change and Development
- **ENG 341** Psycholinguistics
- **ENG 350** EFL Teaching Methodology

C) For the track in Translation Studies, all of the following courses are compulsory:

- **ENG 270** Translation Methodology
- **ENG 280** Translation Theory
- **ENG 390-399** Topics in Translation Studies

**Track Seminars**

Students of each Track must choose at least eight seminar courses in their Track.

- **ENG 500-539** Anglophone Literature and Cultural Studies
- **ENG 540-569** Theoretical and Applied Linguistics
- **ENG 570-599** Translation Studies

**DESCRIPTION OF MINOR PROGRAMMES**

A) English Literature

Students taking a minor in English Literature are required to fulfil the Foreign Language Requirement in English in addition to nine courses in English Literature.

The following three introductory courses are compulsory:

- **ENG 110** Introduction to the Study of Fiction
- **ENG 120** Introduction to the Study of Poetry
- **ENG 130** Introduction to the Study of Drama

Students will choose the additional six courses from among the English Literature courses offered for the degree programme in English Language and Literature. Choices will be made in accordance with their interest and the guidance of the literature section of the Department. Students may opt to take one or two courses in Translation Studies instead of literature courses.

B) Minor in English Linguistics

Students taking a minor in English Linguistics are required to fulfill the Foreign Language Requirement in English in addition to ten courses required for the minor.
(a) Six Compulsory Courses
ENG 160 Introduction to Linguistics
ENG 240 Pedagogical Grammar
ENG 250-255 Topics in Phonetics and Phonology of English
ENG 260-269 Topics in Morphology and Syntax of English
ENG 256-259 Topics in Semantics and Pragmatics
One of the following:
ENG 241 Sociolinguistics
ENG 341 Psycholinguistics
ENG 350 EFL Teaching Methodology

(b) Four Additional Courses
Four courses must be taken from the Linguistics and/or Professional components of the B.A. programme in English Language and Literature. All course choices are subject to the approval of the Department.

C) Gender Studies
The programme is offered in collaboration with the following Departments: Byzantine and Modern Greek Studies, Education, French Studies and Modern Languages, History and Archaeology, Business and Public Administration. Students are required to take ENGS46 Introduction to Feminist Theory and a sufficient number of the designated Elective Courses to graduate with 60 ECTS. Given the interdepartmental nature of the programme, students are required to take courses from at least three different departments. Available options will vary from year to year according to the interests of members of staff and the needs of the collaborating departments. Specific options will be announced before the beginning of each semester. After consultation with their advisor and instructors, students may choose up to two postgraduate courses in Gender Studies. They may also conduct independent research in a relevant area under the supervision of one of the collaborating academics.

D) American Literature and Culture
Students must attend seven Compulsory Courses and at least two Elective Courses in American Literature and Culture offered by the programme in Anglophone Literature and Culture. The tenth course required for the minor may be: a) a third elective course in the field, from the courses offered by the programme b) an Independent Study project related to the field, supervised by a qualified faculty member or c) a relevant course in another programme. In the second and third cases, approval by the Department of English Studies and by the relevant instructor is required.

List of Compulsory Courses
ENG 110 Introduction to the Study of Fiction
ENG 130 Introduction to Drama
ENG 211-219 Topics in Fiction
ENG 317 History of Literary Theory and Criticism
ENG 220-229 Topics in Poetry
ENG 534 Seminar in American Studies I
ENG 535 Seminar in American Studies II

COLLABORATION
The Department has links with foreign universities and international institutions to promote research, collaboration and exchange of faculty and students.

COURSE DESCRIPTIONS
A) Language Component
ENG 101 English for Academic Purposes (5 ECTS)
This course is designed to introduce students to a variety of academic tasks, including note-taking of university-level lectures, the study of academic texts, journal articles and essays. In this way students become familiarised with different types of writing. Further instruction covers planning, drafting and writing response and critical essays as well as speaking in an academic context.

ENG 102 Research Skills in the Humanities (5 ECTS)
The course aims to offer students of the Department more systematic guidance in writing academic papers. It aims to function as a preparatory course in order to enhance the research skills needed for papers and presentations both in Literature and Linguistics. The course comprises four main areas: acquainting students with the University library and electronic catalogues, working with the internet, introducing MS-Word and PowerPoint, and dealing with problems of correct citation of bibliography.

ENG 103 Academic Essay Writing (5 ECTS)
This course offers a theoretical and practical introduction to methods of academic research. Some of the areas covered are the following: choice of topic, collection, organization and verification of materials, methods of analysis and forms of presentation. The main objective of the course is to teach students how to write academic essays.

B) Literature Component
ENG 110 Introduction to the Study of Fiction (5 ECTS)
The course introduces students to key principles and critical approaches in the study of fiction. There is discussion of types of fiction, and the history and formation of fictional genres. The class will read two novels and several short stories and will discuss the main narrative elements, as structuralist theory has defined them. It will also trace the changes these elements have undergone in specific historical periods and in the context of different literary traditions.
ENG 120 Introduction to the Study of Poetry (5 ECTS)
The course introduces students to different historical genres of poetry and to a systematic literary study of the elements of poetry by concentrating on structure, figurative language, metrical arrangements, rhythm and diction.

ENG 130 Introduction to the Study of Drama (5 ECTS)
The course aims to develop in each student an imaginative, meaningful and enriching experience of drama both as a reading experience and as dramatic performance. The students will be introduced to the techniques of systematic study of drama texts and genres by emphasizing such elements as dramatic structure, character, dialogue and point of view.

ENG 211-219 Topics in Fiction: Studies in the 18th Century Novel (5 ECTS)
In this cluster of courses students will study major novels by the most influential prose fiction writers that helped shape the emerging genre of the English novel in the early to mid-eighteenth century. The historical conditions of the 18th century in England, the particular situation of each writer, but also wider social realities and economic conditions will be discussed in order to achieve a fuller appreciation of the novels' cultural historical significance. Questions of genre will form a substantial concern in the reading of the novels, as will English literary history.

ENG 211-219 Topics in Fiction: Studies in the 19th Century Fiction (5 ECTS)
This cluster of courses will concentrate on questions of literary history, aesthetics and politics in the study of Victorian fiction from the 1830s to the end of the 19th century. Particular areas of focus may include the aesthetics of literary realism and naturalism, the study of fictional genres (Victorian gothic, the Bildungsroman, the social or industrial novel, domestic fiction, detective fiction), stylistic modes (sentimentality, bathos, decadence) and socio-historical contexts (the industrial revolution, empire and imperialism, the separation of social spheres on the basis of gender, class struggle, crime, deviance and policing, Victorian and late Victorian sexualities).

ENG 211-219 Topics in Fiction: Postcolonial Fiction (5 ECTS)
This cluster of courses will focus on the development, in the post-war period, of Anglophone postcolonial fiction, its rise to global prominence, and its relationship to the decentralization and, effectively, the globalization of "English studies". Particular areas of focus may include questions of literary history (magical realism, the impact of orality and oral traditions, the reinvention of myth, the re-appropriation of the canon, the relationship between postcolonialism and postmodernism), and the study of the role of specific geographical regions or transregional formations.

ENG 211-219 Topics in Fiction: Studies in Shorter Fiction (5 ECTS)
This course will focus on the study of shorter fiction from the perspective of literary history, genre theory, and aesthetics. It will concentrate on the generic pre-history of Shorter Fiction, its basic forms (short story, novella), its initial aesthetic codification during the American Renaissance (Poe, Hawthorne, Melville), and its generic expressions (detective fiction, mystery fiction, the ghost story, allegorical fable, parable, science fiction story, among others). Texts studied will include works by outstanding Anglophone pioneers of the genre and of its generic subdivisions.

ENG 211-219 Topics in Fiction: Modern and Postmodern Fiction (5 ECTS)
The aim of this cluster of courses is to familiarize students with the most representative practices in the area of Anglophone Fiction as well as with the critical and theoretical discourses that have dominated this field from the beginning of the 20th century to the present. More particularly, courses will focus on the critical engagement with the tradition of realism, tracing the debates around issues which in modern and contemporary fiction are considered fundamental: i.e., the function and reliability of representation, the narrative construction of identity, the relation between history and story, the politics of metafictional discourse, and the gradual erasure of the distinction between popular fiction and avant-garde writing.

ENG 220-229 Topics in Poetry: Poetry of the Early Modern Period (5 ECTS)
Courses offered in this area concentrate on the history and development of the English poem in the early modern period. Through study of selected texts, students will consider the development of a variety of poetic genres and literary traditions (such as the sonnet; the courtly lyric; metaphysical poetry; the epic and the pastoral). Considering texts in relation to the broader social and cultural context of the early modern period, students will further be introduced to a wide set of issues, such as the politics of the Reformation and Renaissance humanism; the politics of class and gender; colonization and England's expansion in the New World.

ENG 220-229 Topics in Poetry: Poetry of the Long 18th Century (5 ECTS)
Courses offered in this area focus on English poetry of the long eighteenth century (the period between the Restoration of monarchy in 1660 and the late 1780s). Through reading of selected texts, students will examine various issues that marked the production of poetry during this period (such as neoclassicism; the use of satire; gender and class; poetry as a force for social change; popular literacy and the growth of print culture). Situating texts within the broader social, cultural and ideological framework of their production, students will further be introduced to current scholarly debates concerning the poetry of the period.

ENG 220-229 Topics in Poetry: Studies in Romantic and Victorian Poetry (5 ECTS)
Courses in this area will focus on the primary significance of lyrical poetry in British Romantic and Victorian Poetry. Poets considered will be: William Blake, Robert Burns, William Wordsworth, Samuel Taylor Coleridge, John Keats, George Gordon, Percy Bysshe Shelley, Elizabeth Barrett Browning, Robert Browning, Christina Rossetti, Alfred, Lord Tennyson and Thomas Hardy. Attention will be given to themes and issues of Romantic poetics and aesthetics foregrounded in the prose writings of such key figures as Wordsworth, Coleridge and Shelley. We will also consider the importance of politics and sage discourse, the development of modern poetics and of new themes in Victorian poetry.

ENG 220-229 Topics in Poetry: Major Themes and Voices in 20th Century Poetry (5 ECTS)
This cluster of courses will take a critical and comparative approach to modern poetry in English in the twentieth century.
The focus will be on poetry from the UK and the USA by poets who have achieved significant critical recognition as well as popular acclaim. The selection aims to give some idea also of post-colonial poetry and the greater diversity of voices (writing in English). The course lecture programme is generally arranged on the basis of movement, period, theme, but also gender or ethnic background, where these last two are overtly foregrounded in the poet’s work.

ENG 310 History of Literary Theory and Criticism (7.5 ECTS)
The course aims at raising student awareness of the history of literary theory, and of current debates around the study, interpretation and evaluation of literary texts. Some of the major exponents of literary theory from Aristotle to the poststructuralists are studied. Through the study of selected literary texts, students are encouraged to examine how texts themselves (re)stage the theoretical debates around them.

ENG 330-339 Topics in Theatre: Studies in Shakespeare (7.5 ECTS)
Courses offered in this area concentrate on selected dramatic works of Shakespeare, examining how these shaped and were shaped by the world of Elizabethan and Jacobean England. While gaining an appreciation of various elements of Shakespearean drama (such as Shakespeare’s stage techniques and his use of sources), students will be encouraged to explore the broader social and cultural dimensions of Shakespeare’s plays. Students will further be invited to examine the plays from multiple theoretical perspectives, and to analyze texts in relation to a wide range of issues (such as power and authority, gender, sexuality and class).

ENG 330-339 Topics in Theatre: Studies in Early Modern Drama (7.5 ECTS)
Courses offered in this area concentrate on English drama of the early modern period, exclusive of Shakespeare. Focusing on the reading of selected dramatic texts by some of the major dramatists of this period (such as Christopher Marlowe, Ben Jonson, Thomas Middleton, and John Fletcher), students will be expected to situate early modern drama within a broad set of changes that transformed English culture and society during the sixteenth and seventeenth centuries, such as the Protestant Reformation, the rise of the cities, the growing power of the middle classes, England’s attempts at colonization and the emergence of a national identity.

ENG 330-339 Topics in Theatre: Themes in 18th and 19th Century Drama (7.5 ECTS)
Courses offered in this area will explore eighteenth and nineteenth century plays in the context of the emergence of the bourgeois and the proletarian public spheres, as these have been theorized by critics such as Peter Szondi, Jürgen Habermas, Oscar Negt, Alexander Kluge, and others. Students will examine a range of generic transformations in the theatre, such as sentimental bourgeois drama, gothic drama, romantic drama, and melodrama. Students will produce critical reports on plays, creative projects, and a final essay.

ENG 330-339 Topics in Theatre: Modern Drama (7.5 ECTS)
Courses offered in this area will focus on major playwrights from the late nineteenth century to the present whose theories and plays have determined the development of modern drama, such as Bertolt Brecht, Antonin Artaud, and Augusto Boal. The development of specific genres, such as realism, epic theatre, and postmodern approaches to the theatre will also be examined. Students will do creative and analytical projects, including critical reports and a final essay.

ENG 330-339 Topics in Theatre: Anglophone Post-War Drama (7.5 ECTS)
The aim of courses offered in this area is to familiarize students with the diverse field of Anglophone Post-War Drama. Discussions will focus on some of the most important theatrical movements that developed from 1945 to the present, in most cases in the margins of or against the so-called ‘commercial’ theatre: namely, the theatre of the absurd, the socialist realism of the ‘angry young men’, the happenings of avant-garde theatre, activist theatre, physical theatre, body theatre, and forms of postmodern theatrical production that are based on the use of multimedia, the mixture of different theatrical, literary or artistic genres, improvisation and collective work.

C) Linguistics Component

ENG 160 Introduction to Linguistics (5 ECTS)
This course is intended to serve as a foundation course for the study of linguistics. It aims to provide a background in the core areas of linguistics, i.e. phonetics and phonology (sounds and sound patterns), morphology (word structure), syntax (sentence structure) and semantics (the meanings of words). Secondarily, it aims to provide an introduction to interdisciplinary fields of linguistics, such as language in the individual (unique characteristics of human language, language acquisition, language disorders etc), the role of language in social organisation and language change.

ENG 161 Language and Mind (5 ECTS)
This course provides an introduction to psycholinguistics and the biological basis for language. It will address some fundamental questions regarding human language, such as how language is (1) represented in our minds, (2) acquired by children, and (3) processed by adults. Ultimately, this course will explore the relationship between language and thought in a biolinguistic setting, from conceptual-theoretical perspectives (what is often called the philosophy of language) as well as experimental-applied perspectives (psycholinguistics at large).

ENG 240 Pedagogical Grammar (5 ECTS)
The course presents an overview of the grammar of English and focuses on topics in English grammar that are relevant to the EFL teacher. It aims at both improving students’ own English usage and analyzing problems in English usage of EFL learners.

ENG 241 Sociolinguistics (5 ECTS)
The aim of this course is to study language variation within a social context. It shows how sociocultural factors such as social status, occupation, level of education, age, and gender affect linguistic behaviour.

ENG 250-255 Topics in Phonetics and Phonology (5 ECTS)
This group of courses investigates the speech sounds of human languages from an articulatory and an acoustic point of view as well as the basic notions behind the way in which speech sounds are organized into sound systems of different human languages. At a supra-segmental level it investigates prosodic systems (syllable structure and stress) of human languages. Whilst it starts
off with the fundamental concepts of phonetics and phonology, at the same time, it provides the foundation for more advanced treatments of the above topics through different theoretical frameworks within contemporary phonology.

ENG 256-259 Topics in Semantics and Pragmatics (5 ECTS)
This group of courses investigates meaning in language (semantics) and how language is used for communication (pragmatics). Students are offered the necessary formal tools and analytical methods to examine language meaning, while actual accounts are discussed of various aspects of meaning such as truth, denotation and reference, predication, and quantification. The group also includes courses introducing students to the ways language in use is studied and how inference and context turn language into a powerful communication tool.

ENG 260-269 Topics in Morphology and Syntax (5 ECTS)
These courses go beyond the introductions to word structure (morphology) and sentence structure (syntax). Emphasis will be placed on (a) practice in analyzing words and sentences and (b) elements of modern morphological and syntactic theories. Morphology courses will investigate methods of morphological research, morphological rules and mechanisms, the relation between morphology and phonology and morphology and syntax, the concepts of word and morpheme, of morphological rule, and the position of morphology in the theory of language. Syntax courses will expand upon the transformational-generative approach to sentence structure, stressing understanding of both theoretical concepts and their explanatory power over empirical data.

ENG 340 Language Change and Development (5 ECTS)
This course surveys two different research areas. It investigates language change and how diachronic linguistics proposes to explain it; it also looks into language acquisition and development as well as the factors involved into how humans grow language: a biological capacity for language, general learning mechanisms and the environment. The course further proposes concrete ways to unify the two fields of research, towards explaining linguistic change as something that follows naturally from how language is acquired. The course uses, describes and explains a wealth of empirical evidence, primarily from English.

ENG 341 Psycholinguistics (5 ECTS)
This course acquaints students with: (a) the factors that enhance and hamper learning (b) the major theories of learning and their application to language (c) first language acquisition (d) second language learning (e) bilingualism (f) cognitive development (g) biological foundations of language and (h) zoosemiotics.

ENG 350 EFL Methodology (7.5 ECTS)
This course aims at preparing prospective teachers of English for their future work in the classroom. It introduces students to theories of learning and teaching, various traditional and innovative methodologies of teaching foreign languages, lesson planning, the selection and use of various teaching aids and the organisation and evaluation of teaching materials. Students are guided in their teaching practice.

D) Translation Studies

ENG 170 Introduction to Translation Practice (5 ECTS)
The course is intended to provide a general foundation in translating. Students will be acquainted with the complexity of the task of translation and will be encouraged to discuss problems and possible solutions with the help of translation exercises based on authentic texts of various genres. An additional aim is to familiarize students with the need for in-depth research and the vast research possibilities. At the end of the course, students are expected to have developed an awareness of the background involved in language transfer as well as a basic ability to handle translation problems at the micro-structural level.

ENG 270 Translation Methodology (5 ECTS)
The aim of this course is to discuss translation as a problem solving activity and as a decision-making process. Focus will be put on the distinction between translation strategies (e.g. foreignization vs. domestication) and translation procedures (methods) as well as on the theoretical and methodological interplay between text and cultural background. Specific attention will be given to terminological issues and to translation problems arising from text-typological specificities (genre, function, cultural specificity). Students are expected to have developed an awareness of what the translation process involves and to have acquired the necessary skills to deal with practical translation problems.

ENG 280 Translation Theory (5 ECTS)
The aim of this course is to introduce students to the main theoretical approaches to Translation Studies and to examine how the phenomenon of translation has been perceived from classical antiquity to the present. The course will examine the historical, philosophical, social, and cultural context in which translation takes place. Students will develop a broad understanding of translation as an activity that goes beyond language, and which in the 20th century has shaped Translation Studies as an interdisciplinary field of study in its own right, drawing on disciplines such as philosophy and anthropology as well as linguistics and literary theory.

ENG 390-399 Topics in Translation Studies (7.5 ECTS)
These courses will focus on translation as cross-cultural transfer and as inter-semiotic activity so as to foreground the connection of translation to intercultural studies. The courses will draw on cross-cultural theory so as to think through the connection or gap between the causation of translation and its reception. This cluster of courses will discuss cultural products and environments as found, for example, in literature, poetry, drama and film, and the transformations and comparative aesthetic and ideological contexts in which transfer circulates.

ELECTIVE COURSES

ENG 500-539 Anglophone Literature and Cultural Studies
Representations of Otherness in Early Modern England
Early Modern Women and Writing
Literature and Utopia in Early Modern England
Theatre and Cultural Studies of the 18th and 19th century
Romanticism and the Novel
Post-colonial Literature
The Literature of the Uncanny
English Literature and Culture at the Fin-de-Siècle
Seminar in American Studies I
Seminar in American Studies II
Seminar in Comparative Studies I
Seminar in Comparative Studies II
Women Writers and Fantasy
Introduction to Feminist Theory
Seminar in the Study of Postmodernism
Topics in the History of Literary Genres
Metamorphoses: Narratives and Theories of Becoming in Contemporary Feminism
Studies in the Literary Essay
Studies in Poetry and Poetics
Self, Truth and Language in Modern Autobiographical Texts
Melodrama: Theatre, Cinema, Criticism
Experimental Theatre
Independent Study in Literature A
Independent Study in Literature B

**ENG 540–569 Theoretical and Applied Linguistics**

EFL Methodology II
Issues in Biolinguistics
Pedagogical Phonetics
Grammatical Categories
Trends and Topics in Linguistics
Applied Linguistics
Topics in English Phonology
Topics in English Syntax
Topics in Psycholinguistics and Language Learning
Comparative Syntax
Language Acquisition and Language Disorders
History of English
Teaching English to Children
Historical Linguistics
First Language Acquisition
Second Language Acquisition
Language Typology
The Use of English as an International Language
Language Assessment: Principles and Classroom Practices
EFL Materials Design and Evaluation
Independent Study in Linguistics A
Independent Study in Linguistics B

**ENG 570-599 Translation Studies**

Stylistics
Culture and Translation
LSP and Principles of Terminology
Text Linguistics
Culture and Idioculture in Poetry Translation
Translation Typology and Methodology
Translation Research Methods
New Technologies in Translation
Literary Translation and Comparative Literary Studies
Drama Translation and Comparative Theatre Studies
Semiotic Issues in Translation
Comparative and Intercultural Semiotics
Text and Image in Semiotic Translation
Film and Translation
Translation of Technical and Scientific Texts
Translation of Legal and Economic Texts
Translation of EU Texts
Audiovisual Translation
Principles of Interpreting
Introduction to Intercultural Communication
Independent Study in Translation A
Independent Study in Translation B

Note: The above seminars for each track may vary from year to year as they are subject to staff availability and overall planning needs.

**B.A. IN EUROPEAN STUDIES**

**Compulsory Courses**

**Fall Semester 1st Year**

ENG 101 – Academic Communication in English
ENG 141 – Introduction to Critical Thinking

**Spring Semester 1st Year**

ENG 103 – Academic Essay Writing

**Fall Semester 2nd Year**

ENG 239 – Introduction to Cultural Criticism

**Spring Semester 2nd Year**

ENG 249 – Frontiers of/in Europe

**Fall Semester 3rd Year**

ENG 401 – Discursive Construction of Identity in Europe

**Spring Semester 3rd Year**

ENG 402 – Europe and its Former Colonies
ENG 403 – Seminar in Western Aesthetics

**Fall Semester 4th Year**

ENG 280 – Translation Theory
ENG 405 – Imaginaries of Europe in Contemporary Fiction and Film

**Spring Semester 4th Year**

ENG 406 Translating for the EU Institutions
COURSE DESCRIPTIONS

ENG 141 Introduction to Critical Thinking (5 ECTS)
This course aims at helping students acquire the analytic, critical and reflective skills necessary for their development as discriminating readers and effective writers. Through the careful analysis of a wide range of texts (journalistic, scientific, philosophical, literary) and cultural artefacts (photographs, videos, films, artworks) the students will learn the basics of inductive and deductive reasoning and will develop the ability to select and evaluate information, analyse genre, style and tone, interpret and engage with ideas, draw informed conclusions and formulate persuasive arguments.

ENG 239 Introduction to Cultural Criticism (5 ECTS)
The course will familiarize students with the methodological and theoretical concerns involved in the comparative study and analysis of culture(s). Particular emphasis will be given to the main debates surrounding the concept of culture and its historical development, the distinction between "high culture" and "popular culture," the class, race and gender politics of canonicity, the epistemological and ethical stakes entailed in any attempt to understand other cultures and unfamiliar forms of cultural production. A broad range of activities and objects will be analysed in relation to historical or geographical mappings, political and economic contexts, official and marginal discourses.

ENG 249 Frontiers of/in Europe (5 ECTS)
The concept(s) of Europe has been defined with respect to both its internal borders and its external limits. The course surveys two areas: a) the expansion into space and the redefinition of the concept of Europe and European identities and b) the different criteria – climatic, anthropological, cultural, religious, linguistic, (geo)political – by which Europe-internal borders have been (re)drawn. Towards revealing the blurriness and shifting character of such frontiers, a multidisciplinary approach is adopted, with a special emphasis on case studies of the (incomplete) European expansion: the Polish plains and the Baltic, Scandinavia, the Iberian Peninsula, Cyprus, North Africa, the Balkans and Turkey.

ENG 401 Discursive Construction of Identity in Europe (7.5 ECTS)
The concept of a unitary European identity and/or ideal predates modernity and emerged from the trauma of the Reformation. At the same time, Europe – a geographical area the scale of China and India – emerges as an intensely and multiply fragmented space. The course examines the fundamental texts and the basic concepts behind the construction of both a European identity and the negotiation of local identities. Necessarily multidisciplinary, it will employ tools from philosophy, history, political science, culture theory and discourse analysis. It finally examines the contribution of Europe’s others’ and minorities in the dialectics of constructing Europe and its many versions.

ENG 402 Europe and its Former Colonies (7.5 ECTS)
This course will explore the literary and cultural aspects of European colonialism, and post-colonialism, and their impact on the global exchange of peoples, languages, and cultures. A diversity of texts will be studied from the early modern to contemporary periods providing the basis of a critical inquiry into the effects of Europe’s cross-cultural interaction with Asia, Africa, and the Americas, and how this has shaped, challenged and transformed notions of self, citizenry, spirituality, aesthetics.

ENG 403 Seminar in Western Aesthetics (7.5 ECTS)
The aim of the seminar is to offer students the opportunity to engage with some of the key questions that have historically defined the field of Western Aesthetics. More particularly, discussion will focus on texts (from Plato and Aristotle to Kant, Heidegger, Benjamin, Derrida and Lyotard) that seek to determine the aesthetic function, the relationship between art and reality, art and truth, art and morality, art and politics as well as the stakes and limits of representation. The seminar will take the form of debates between “the ancients and the moderns;” the moderns and their posterity, the philosophers and the artists/practitioners.

ENG 405 Imaginaries of Europe in Contemporary Film and Fiction (20th Century) (7.5 ECTS)
This course will focus on contemporary fictional and filmic representations of Europe in its multiple historical actualizations and its past or emergent ideals. Discussions will centre around selected works by (among others) Milan Kundera, Julia Kristeva, Orhan Pamuk, Wim Wenders, Lars Von Trier, Theo Angelopoulos, Emir Kusturica and Gianni Amelio who will be brought in dialogue with some of the seminal contemporary thinkers of the challenges and impasses that Europe presents us with today (i.e. Jacques Derrida, Jürgen Habermas, Slavoj Zizek, Jean Baudrillard, Edward Said and Etienne Balibar).

ENG 406 Translating for the EU Institutions (7.5 ECTS)
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Elective Courses for the B.A. in European Studies
ENG 501 - Literature and the Art of Living
ENG 502 - Literature and Utopia in Early Modern England
ENG 503 - ArabAmerican Literary Exploration
ENG 506 - European Modern Drama
ENG 508 - Narratives of Home and Homelessness in Europe
ENG 532 - The Literature of the Uncanny
ENG 552 - Language Contact in Europe
ENG 554 - Language and Gender

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## Structure of the Degree Programme

### 1st Year

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**Year Total:** 60

### 2nd Year

#### 3rd Semester

**Anglophone Literature and Culture**

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**Theoretical and Applied Linguistics**

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**Translation Studies**

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#### 4th Semester

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**3rd Year**

#### 5th Semester

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<td>ENG 340 Language Change &amp; Development</td>
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**Structure of the Degree Programme**

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PROGRAMMES OF STUDY
The Department offers two undergraduate Degrees:
A. French Studies (Diplôme d’Études françaises)
B. Modern Languages and European Studies Degree

A. DIPLÔME D’ÉTUDES FRANÇAISES
Le Département d’Études françaises et de Langues vivantes propose un cursus d’une durée de quatre ans menant au Diplôme de Langue et Littérature françaises. Le français est la langue d’enseignement dans tous les cours obligatoires du cursus.

OBJECTIFS
Le Diplôme de Langue et Littérature françaises a pour objectif de former les étudiant(e)s de manière à ce qu’ils/elles acquièrent:
• une excellente compétence communicative en français;
• une bonne connaissance générale de la linguistique et des principales approches théoriques appliquées à la langue française, ainsi que la faculté d’utiliser leur savoir en linguistique et en langue française dans les domaines de la recherche et de l’enseignement;
• une bonne connaissance générale de la littérature française du Moyen Âge jusqu’à nos jours, des littératures francophones, des principes de la littérature comparée et de la théorie de la littérature, ainsi qu’une connaissance approfondie de textes ou d’ensembles de textes mis au programme;
• la faculté de comprendre la manière dont la langue et la littérature interagissent avec la civilisation: comment l’histoire et les représentations mentales d’un groupe s’associent aux phénomènes culturels.

Pour atteindre ces objectifs, le cursus est composé de cours de langue, de linguistique théorique et appliquée, de littérature générale et comparée, de civilisation, de didactique et de méthodologie de la recherche. Les étudiants titulaires de la Maîtrise de Langue et Littérature françaises pourront faire carrière dans l’enseignement, la traduction, les services publics ou les entreprises privées, dans les médias, la communication. Ils pourront également entreprendre des études doctorales dans des domaines variés (littérature, linguistique, didactique, études culturelles, études européennes, etc.).

Graduates of the Modern Languages and European Studies Degree will be given the opportunity to further specialize on Human Sciences and Social and Political Sciences with emphasis on European Studies’ matters. They will be able to follow a career on professional fields where this kind of specialization is necessary, such as the institutions, services and stuff of the EU, Diplomatic Corps, Public Service, cultural foundations and enterprises. Courses of the common trunk are taught in Greek, language and culture courses are taught in the languages chosen by the student (not less than two).

The program is currently under revision and will start on September of the academic year 2014-2015. For more information on the changes and descriptions of new courses please consult the Department’s Website at http://www.ucy.ac.cy/frml/el.
**Introduction**

Turkish Studies deal with Turkish and other Turkic languages, history, literature and cultures, from the first written evidence of the Turkish language in the 8th century up to the present. Various sub-disciplines of Turkish Studies have emerged: Turcology or Turkic Studies are concerned with the entire spectrum of Turkish languages and literatures. Ottoman Studies are devoted primarily to the languages, history and culture of the Ottoman Empire (13th-20th centuries). Modern Turkish Studies focus on the politics, literature, economy and society of Turkey in the 20th century. Islamic Studies are, on the one hand, an integral part of Ottoman Studies and Modern Turkish Studies, and on the other hand serve as a connecting link to Middle Eastern peoples (mainly Arabs and Iranians), their languages and cultures. Turkish studies also include the study of the Balkan peoples in relation to the Ottoman and Turkish world.

Turkish Studies at the University of Cyprus cover many of the above-mentioned areas of Turkish and Middle Eastern Studies. Thematic emphases are set by the local and regional contexts and especially that of the Turkish Cypriot community, as well as the wider region; by the interests and orientation of the department’s staff; and by the employment prospects and possibilities for future academic work for the department’s graduates.

**PROGRAMME OF STUDIES**

The Department’s programme leads to a B.A. degree in Turkish Studies, which will emphasise one of the two directions:

a) History and Politics  
b) Linguistics and Literature.

The courses are divided into: Core Courses and Direction Courses.

I. **CORE COURSES**

A) Language Courses  
The aim of the language courses is to teach the Turkish language to a satisfactory standard; in other words, in such a way that students can converse in Turkish, can translate from Turkish to Greek and vice versa, and, above all, can...
easily read academic literature and other publications written in modern Turkish. The linguistic training also includes instruction in the reading of Ottoman Turkish. The successful completion of the Turkish language courses of the first four semesters (Turkish I-IV) is a prerequisite for registration in the following general introductory courses (16 courses, totaling 109 ECTS).

B) General Introductory Courses
These provide concise coverage of the fundamental subjects in the main field (Turkish Studies). Students study the causes and circumstances of the rise and spread of the Muslim religion as well as the appearance of the Ottomans, the formation and subsequent decomposition of the Ottoman Empire, the formation of the Turkish State and its history up to the present. The course in Ottoman and Turkish Literature is intended to give students an overview of the most important literary works and authors (7 courses, totaling 43 ECTS).

II. DIRECTION COMPULSORY COURSES
The Direction courses offer students the chance to deepen their knowledge in one of two fields:
a) History and Politics
b) Linguistics and Literature.
Students are obliged to choose a direction at the beginning of the sixth semester.

There are seven Compulsory Courses in each Direction, totaling 46 ECTS, and two Restricted Elective Courses, totaling 12 ECTS. The successful completion of the relevant introductory courses in the first five semesters is a prerequisite for registration in the courses with the title "Themes...". Likewise for registration in the Seminars students must have passed those courses entitled "Themes..." in the same direction. Students of both Directions are entitled to take one Restricted Elective Course from the other Direction (including the compulsory courses of the other Direction). Furthermore, there are Restricted Elective Courses which are common to both Directions and from which students can select one course (6 ECTS).

The undergraduate dissertation is considered a Restricted Elective Course which counts for 12 ECTS (6 ECTS in each of two semesters).

DEGREE REQUIREMENTS
To obtain the B.A. Degree in Turkish and Middle Eastern Studies students must complete 240 ECTS, which are divided as follows:

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<th>COURSES</th>
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<tr>
<td>23 Core Courses (Language/ General Introductory Courses)</td>
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<tr>
<td>9 Direction Courses</td>
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<td>3 Foreign Language Elective Courses</td>
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<td>3 Elective Courses</td>
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<td>TOTAL: 38 COURSES</td>
<td>240</td>
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COURSE DESCRIPTIONS

Compulsory Courses and Direction Compulsory Courses

TUM 100 Grammar and Syntax I (8 ECTS)
The course is offered to those students of the Department who have no previous knowledge of the Turkish language. In the framework of the course the special symbols of the alphabet, the phonetics, the phonology, the morphology and the syntax of the Turkish language, with explanation of grammatical categories based on examples and exercises are described. From the point of view of methodology, content and technique, the course is linked to the course TUR 106, "Language Exercises I". It aims to give students a basic level of grammar and syntax.

TUM 101 Grammar and Syntax II (8 ECTS)
The course is a continuation of the course TUR 100, "Grammar and Syntax I" and is offered to students of the Department who have successfully completed the courses TUR 100, "Grammar and Syntax I" and TUR 106, "Language Exercises I". In the framework of the course, and bearing in mind the needs of the course TUR 107, "Language Exercises II", study of the morphology and syntax of Turkish with examples and exercises is continued. The aim of the course is to give students an intermediate level of knowledge of the grammar and syntax of the Turkish language.

TUM 106 Language Exercises I (11 ECTS)
The course is offered to those students of the Department who have no previous knowledge of the Turkish language. From the point of view of methodology, content and technique, the course is linked to the course TUM 100, "Grammar and Syntax I". It seeks to give to the students a basic vocabulary and practice in the reading, comprehension and composition of simple texts. Emphasis is placed on communication in Turkish through practice in the oral use of the language, using simple dialogues and audiovisual means.

TUM 107 Language Exercises II (11 ECTS)
The course is a continuation of the course TUR 106, "Language Exercises I" and is offered to those students of the Department who have TUR 100, successfully completed the courses TUR 106, "Language Exercises I" and TUR 100, "Grammar and Syntax I". In the framework of the course and bearing in mind the needs of
the course TUR 101, "Grammar and Syntax II", the enrichment of vocabulary, practice in reading and in the oral use of language, the comprehension and the composition of texts are continued. The aim of the course is intermediate level knowledge of the written and oral forms of the Turkish language.

TUM 120 Introduction to Turkish Studies (6 ECTS)
The course aims to familiarise students with the spectrum of Turkish Studies including historical, literary and religious topics and the historical development of the discipline. Participants will become acquainted with research tools such as encyclopedias, manuals, scholarly journals and bibliographies and the major centres of Turkish Studies.

TUM 121 Introduction to ISLAM (6 ECTS)
The course examines the origins and development of Islam and familiarises students with the fundamentals of Islamic religious beliefs and practices as well as the relationship of religion and politics.

TUM 200 Grammar and Syntax III (6 ECTS)
The course is a continuation of the course TUR 101, "Grammar and Syntax II" and is offered to those students of the Department who have successfully completed the courses TUR 101, "Grammar and Syntax II" and TUR 107, "Language Exercises II". In the framework of the course and bearing in mind the needs of the course TUR 206, "Language Exercises III", the study of morphology with emphasis on the syntax of composite sentences is continued. The aim of the course is an advanced level of knowledge of the grammar and syntax of the Turkish language.

TUM 201 Grammar and Syntax IV (5 ECTS)
The lesson is compulsory and is offered for the students of the Department of Turkish and Middle Eastern Studies who have successfully attended the lessons TUR 200 “Turkish Grammar III” and TUR 206 “Language Exercises III”. The lesson repeats material taught during the language lessons of earlier stages in the framework of certain linguistic features aiming to help students who may need additional support to understand and assimilate what has been taught.

TUM 206 Language Exercises III (7 ECTS)
The course is a continuation of the course TUR 107, "Language Exercises II" and is offered to those students of the Department who have successfully completed the courses TUR 107, "Language Exercises II" and TUR 200, "Grammar and Syntax II". In the framework of the course and bearing in mind the needs of the course TUR 101, "Grammar and Syntax III", the enrichment of vocabulary, the composition of texts, the reading and comprehension of more difficult texts, as well as the practice in oral use of the language are continued. The aim of the course is an advanced level in the use of the written and oral forms of the language.

TUM 210 Translation Turkish-Greek (6 ECTS)
Prerequisites: TUM 200 and TUM 206
The course is offered to those students who have successfully completed the courses TUR 200, "Grammar and Syntax III" and TUR 206, "Language Exercises III". The course focuses on practicing the technique of translating Turkish texts of different types and origins into Greek. Emphasis is placed on comprehension of grammatical categories and syntactical structure. The aim of the course is to familiarise students with the translation of Turkish texts of advanced level.

TUM 220 Introduction to Turkish Linguistics (6 ECTS)
Prerequisites: TUM 100 and TUM 106
The course examines the basic elements and the current theories of Turkish linguistics. After an introduction to general linguistics, the following elements are taught: methods of analysis of the Turkish language (concentrating on the most commonly accepted); synchronic description of phonology, morphology and syntax; lexicography; dialectology; inter-linguistic contact; bilingualism; Turkish language policy. Examples of these phenomena taken from texts in the modern and other forms of the language are used in teaching.

TUM 230 Ottoman Language (7 ECTS)
To register for this course, students must have passed the Turkish language courses of the first three semesters. Students are first taught to write the Arabic script, then learn the vocabulary, the phonology and the morphology of Turkish in the Ottoman period. The course's aim is acquisition of the ability to both read and write simple texts in Ottoman.

TUM 240 Introduction to Modern Turkish Literature (6 ECTS)
Prerequisites: TUM 101 and TUM 107
This course provides basic knowledge on the main developments, text sorts and authors of Turkish literature of the 19th-21st centuries. Students are given the opportunity to study and analyze small text passages in Turkish.

TUM 250 Introduction to Ottoman History (6 ECTS)
The course consists of an introduction to the history of the Turkish presence in Asia Minor and to that of the Ottoman Empire. It begins with a survey of the pre-Ottoman states, and particularly that of the Seljuks. It covers essential aspects of the origins of the Ottoman Empire, and its expansion and consolidation in Asia Minor, the Balkans and the Middle East (14th – 16th centuries). It finishes with the reforms of the Tanzimat (1839-78) and the consequent changes in Ottoman institutions.

TUM 260 History of Turkey (6 ECTS)
This course offers an introduction to the 20th century history of Turkey. After a brief reference to the Ottoman legacy, the genesis of the Turkish Republic, the formation of the nation-state and political developments are discussed. Important themes are the Kemalist reforms, the transition to the multiparty system in 1950, and the changes in Turkish society within the last century. An overview of the sources for the study of modern Turkish history accompanies this introduction.

TUM 300 Language of the Press (6 ECTS)
Prerequisites: TUM 210 and TUM 260
The course is designed to develop advanced reading skills, acquainting students with the essential vocabulary of newspapers and enabling them to analyse and interpret articles. Students will become familiar with current affairs and their treatment in the Turkish press.
TUM 301 Language of the Media (Audiovisual) (5 ECTS)
Prerequisites: TUM 200, TUM 206 and TUM 316
A language course based on the analysis of audiovisual material. TV advertisements, movies, documentaries, news broadcasts, music clips are used as sources to develop listening and understanding skills through an acquaintance with the living colloquial language in the context of Turkish culture.

TUM 302 Themes in Turkish Linguistics (7 ECTS)
Prerequisites: TUM 210 and TUM 220 (Linguistics and Literature Direction)
This course examines various issues of Turkish linguistics. The methods of linguistics are applied to phenomena in the fields of morphonology, morpho-syntax and semantics. Elements of pragmatics and language acquisition are studied, as well as the sociolinguistic aspects of Turkish.

TUM 310 Translation Greek-Turkish (6 ECTS)
Prerequisite: TUM 210
The course is offered to those students who have successfully completed the course “Translation Turkish-Greek”. Students practice the techniques of the translation of simple texts from Greek to Turkish. Emphasis is placed on the recasting of the grammatical and syntactical categories of Greek in Turkish. Aim of the course is an initial familiarity with the translation of texts into Turkish.

TUM 316 Dialogue (6 ECTS)
Prerequisite: TUM 200 and TUM 206
Students are given practice in oral communication. The aim of the course is to enable students to discuss serious subjects in Turkish.

TUM 317 Analysis of Academic Texts (6 ECTS)
Prerequisite: TUM 210
Textual analysis from different points of view (grammatical, syntactical, structural, semantic) is applied to Turkish academic texts and scientific articles. The aim of the course is the comprehension of advanced-level texts and familiarisation with academic language.

TUM 340 Introduction to Ottoman Literature (7 ECTS)
Prerequisites: TUM 200, TUM 206 and TUM 230
This course provides basic knowledge on the main developments, text sorts and authors of Ottoman literature of the 14th-20th centuries. Students are given the opportunity to study and analyze short poems and text passages in Ottoman as well as transcriptions of Ottoman literary works.

TUM 341 Themes of Ottoman Literature (7 ECTS)
(Linguistics and Literature Direction)
Prerequisites: TUM 220, TUM 250 and TUM 340
The aim of the course is an in-depth knowledge of certain fields of Ottoman Literature. The basic feature of the course is the reading of Ottoman poetry and prose writing in the original. The course aims to give students basic skills in the use of sources and in the interpretation of literary texts. The course includes the study of the traditional themes of Divan Literature, the study and the adjustment of the rhetorical forms and images, the basic technical moulds (measure, rhyme) as well as the reading of Ottoman prose writing samples.

TUM 350 Themes in the History of the Ottoman Empire (7 ECTS)
(History - Politics Direction)
Prerequisites: TUM 200, TUM 206 and TUM 250
The aim of the course is a deeper knowledge of particular aspects of the Ottoman Empire. It is based on the study and analysis of Ottoman and other sources. The themes are focused on Ottoman institutions and changes within them.

TUM 380 History of the Islamic Middle East (7 ECTS)
(History - Politics Direction)
Prerequisites: TUM 121, TUM 250 and TUM 260
The course provides a broad survey of major events and themes in the history of the Middle East from the emergence of Islam until the end of the 20th century. It gives an account of the principal Islamic empires and dynasties (e.g., Umayyads, Abbasids, Mamluks, Safavids), discusses the encounter of the Middle East with the Crusaders, focuses on the character of Ottoman decline in the Middle East and concludes with a look at the changed map of the region in 19th and 20th centuries.

TUM 400 Turkish for Special Purposes (6 ECTS)
Prerequisites: TUM 210, TUM 240 and TUM 260
The course examines the basic characteristics of specialised vocabularies in Turkish. Examples are legal language and the language of economics. The teaching of specialised legal language begins with an introduction to the legal system of the Turkish Republic. Texts of different legal specialties are read (civil, constitutional and criminal law) as well as judicial decisions. In connection with the language of economics, the specialised vocabulary as used in contemporary economic writing is presented. Texts from financial newspapers, industry and chamber of commerce sources as well as from commercial agreements are used. Aim of the course is the ability to translate specialised terminology.

TUM 401 Turkic Languages Outside Turkey (7 ECTS)
(Linguistics and Literature Direction)
Prerequisites: TUM 230, TUM 240 and TUM 260
The Turkic languages spoken outside Turkey, mainly within the Republics of the former Soviet Union, belong to a variety of linguistic sub-groups, and have a variety of characteristics which distinguish them from the Turkish of Turkey. The course introduces the basic phonetic, morphological and syntactic elements of a present-day non-Oghuz language and compares these with the Turkish of Turkey. Students will examine the phenomenon of linguistic contact with Iran and the Slavic peoples. They will also read passages in the relevant languages.

TUM 410 Themes in Modern Turkish Literature (7 ECTS)
(Linguistics and Literature Direction)
Prerequisites: TUM 210, TUM 240 and TUM 260
The course offers an in-depth examination of the main themes of modern Turkish literature. It is based on the reading of Turkish literary texts and essays. Specialised themes are: literature after the Tanzimat reforms, the influence of European romanticism and symbolism; realism; postmodernism in contemporary Turkey; the literature of Turkish writers in exile; and literature in the theatre and cinema.
TUM 412 Advanced Turkish Dialogue (5 ECTS)

Prerequisites: TUM 200, TUM 206 and TUM 316

This advanced level lesson aims at improving the students' communication skills. At the same time the students' ability of acoustically understanding the spoken word is being developed. By referring to films and texts the students learn how to express themselves, exchange arguments, comment on speeches and analyze discussion.

TUM 417 Seminar of Turkish Literature (6 ECTS)

(Literature Direction and Linguistics)
Prerequisites: TUM 240 and TUM 410

The seminar deals with one special aspect of Turkish literature and can be chosen by the instructor. The themes differ from semester to semester and have to be appropriate for an advanced level of students. The seminar is in Turkish. Students read and discuss texts of Turkish literary authors and secondary literature in Turkish.

TUM 420 Turkish-Cypriot Literature (6 ECTS)

(Literature Direction and Linguistics)
Prerequisites: TUM 240 and TUM 410

The purpose of this seminar is to discuss aspects of Turkish-Cypriot literature which have developed due to the co-existence of Turkish-Cypriots with the Greek-Cypriot community and of their exposure to Greek-Cypriot and Ottoman culture and to that of Modern Turkey. In the seminar texts of advanced standard in both Turkish and English will be read. The principal language of instruction is Turkish.

TUM 431 Seminar of Turkish Linguistics (6 ECTS)

(Literature Direction and Linguistics)
Prerequisites: TUM 220 and TUM 302

One or more topics of the Themes-classes (TOY 410) (e.g.: The Structure of Turkic, Applied Grammar, Historical Grammar, Dialectology and Sociolinguistics) is presented with more in-depth analysis, using Turkish not only as a target language and in reading primary sources, but also as a language of instruction.

TUM 450 Themes in the History and Politics of Turkey (7 ECTS)

(History-Politics Direction)
Prerequisites: TUM 210 and TUM 240

This course develops several themes of the lesson TUM 260, History of Turkey in greater depth. A main theme is the study of the Turkish polity (institutions and administration), governmental policies, and party politics. The legal system, too, will be examined. Students will read sources relevant to the various units.

TUM 451 History of the Turkic Peoples (7 ECTS)

(History-Politics Direction)
Prerequisites: TUM 210, TUM 230 and TUM 260

The first texts describing the Turks, then on the borders with China, in the 4th century A.D. onwards, form the first stage of the course. The Turks' expansion into Central Asia and Iran, their conversion to Islam, the Mongol invasions of the same regions and the subsequent formation of Turkish and Mongolian states (those of Turkistan, the Golden Horde, etc.) are introduced. The course continues with the Russian expansion into Central Asia (16th century onwards), the Russian sovereignty over the Turkic peoples of Central Asia, and the Turkic republics of Central Asia both during the Soviet period and after the collapse of the Soviet Union. A particular aspect of the subject is chosen for study in depth by means of selected texts.

TUM 469 Turkish-Cypriot Community (6 ECTS)

(History-Politics Direction)
Prerequisite: TUM 450

After an introduction to the Ottoman rule of Cyprus, the development of the Turkish-Cypriot community in the 19th and 20th centuries will be studied. Special emphasis will be given to the population structure, social and religious institutions as well as to emergence of nationalism within the community and its effects on the formation of the community's identity. The language of instruction is mainly Turkish.

TUM 471 Seminar of History and Politics of Turkey (6 ECTS)

(History-Politics Direction)
Prerequisite: TUM 450

The seminar constitutes the advanced level of the study of Turkish history and politics within the curriculum. It focuses on the development of economy and society in modern Turkey. Specific themes will be covered including the transition of Turkey from a largely agrarian country to a fast-developing nation, social structures and developments (e.g. in the areas of population and education) and the role of religion in society.

TUM 478 Seminar of Ottoman History (6 ECTS)

(History-Politics Direction)
Prerequisite: TUM 450

The purpose of this seminar is to study various periods of Ottoman history, as well as the most important institutions of the Ottoman state (13th-20th century). Within the framework of this class, and with the help of sources, various thematic units will be analyzed (e.g. social structures, expressions of authority, aspects of administrative organization). It is compulsory for students to write a paper on one of the topics, which will be discussed in the course of the seminar. Pre-requisite for participation in the seminar is the successful completion of the courses “Introduction to Ottoman History” and “Topics …”.

Restricted Elective Courses

I. LINGUISTICS-LITERATURE

TUM 402 Morphology of the Turkish Language (6 ECTS)

The application of the methods of linguistics, including theoretical linguistics to the Turkish language; and the use of these methods to elucidate the language's morphological phenomena, with emphasis on the more difficult.

TUM 403 Historical Grammar of the Turkish Language (6 ECTS)

For students with a knowledge of modern Turkish, it is interesting to learn the historical development of the various grammatical phenomena. With examples and exercises, selected topics of phonology, morphonology and morphology will be discussed in the diachronic dimension of the different stages of Ottoman Turkish. The aim is to achieve a comprehension of grammar from the diachronic point of view in order to understand better the grammatical phenomena of modern Turkish.
TUM 404 Issues in Turkish Syntax (6 ECTS)
The aim of the course is to provide a wider and more detailed study of the syntactical phenomena of the Turkish language and to familiarise students with the bibliography on Turkish syntax in Turkish and other languages.

TUM 405 Didactics of the Turkish Language (6 ECTS)
The course introduces students to certain aspects of applied linguistics, especially in the field of language acquisition, language assessment methods and curriculum development. These aspects of applied linguistics are then used to formulate approaches to the teaching of Turkish to different age groups.

TUM 407 Turkish Dialectology (5 ECTS)
The course contains an introduction to the methods and problems of modern dialectology, particularly of dialect geography. Possibilities of classification of Turkish dialects in Anatolia and Rumelia will be discussed through isoglosses and other methods. After that, practical exercises with reading and linguistic analysis of dialect texts from different regions of Turkey will form the main part of the course.

TUM 411 Old Anatolian Turkish: Its Linguistic Features and Literature (6 ECTS)
The course aims to familiarise students with the amalgam of linguistic forms which is the first written evidence of Turkish in Asia Minor: it appears in the 13th century during the Seljuk period. Old Anatolian Turkish ("Eski Anadolu Türkçesi"), as it is known, also includes early Ottoman ("Old Ottoman"). Old Anatolian’s principal phonological and morphological features are taught, using modern Turkish as a comparison. Students will read literary texts of the 13th and 15th centuries.

TUM 413 Literature of the Tanzimat (6 ECTS)
During this course the literature written during the reforms of the 19th century is presented. This literature exhibits significant influences from Western Europe. It was in this period that the term Ottomanism became accepted in literature. After a review of the themes of Tanzimat literature (1860-1896), as well as the next movement, "New Literature" (of the magazine Servet-È Fünun), parts of the work of the main authors (i.e., Ahmed Midhat, Namik Kemal for the Tanzimat, Halid Ziya Uşakligil, Mehmed Rauf for the Servet-È Fünun) will be read and analysed.

TUM 414 The Turkish Novel (6 ECTS)
A survey of the development of the novel in Turkish literature from the first works (influenced by European novels), which appeared in the mid-19th century, down to contemporary authors. Representative texts are selected for reading and analysis in the course.

TUM 415 Contemporary Turkish Poetry (6 ECTS)
The course is an introduction to the works of the great contemporary poets from the 1930s to the 1970s. The most recent poets are examined in the perspective of tradition on the one hand and on the other of the changes in poetic tone and form which have taken place in the last few decades. The structural elements of contemporary poetry are examined within various theoretical frameworks.

TUM 416 Istanbul in Turkish Literature (6 ECTS)
In the history of Turkish literature Istanbul occupies an important position. Poets praised the city for centuries. In the modern period epochal changes have led to a changed perception of the metropolis on the Bosphorus. Time and again, Istanbul has been the place where the Ottoman past and the West meet. In this course important works from different periods are treated from the following points of view: Which aspects of the city are selected as central themes? What consequences does this have for the description of the city as regards content and form?

TUM 423 The Turkish Cypriot Dialect (6 ECTS)
The aim of the course is the study of the Turkish Cypriot dialect in the framework of Turkish dialectology. Essential constituents of the course are: points of difference with the standard language, sociolinguistic aspects of the dialect’s use and phenomena of language contact with the Greek Cypriot dialect. Oral and written texts in the dialect will be the base for linguistic analysis.

TUM 430 Bilingualism and Language Contacts (6 ECTS)
In this course Contact Linguistics are applied to the study of linguistic phenomena observed in areas of contact and bilingualism involving Turkic and non-Turkic languages: for example, in central Asia Minor; in the cities of the Ottoman Empire and modern Turkey; in central Europe (where the language in question is that of Turkish migrants); the Gagauz: contacts between Iranian and Turkish languages. Different aspects of contact are examined: the phonetic, the morphological, syntax, vocabulary. Examples both from oral literature and from written texts are used.

TUM 432 Comparative Grammar of the Turkic Languages (6 ECTS)
A comparison of the Turkish of contemporary Turkey with languages in the other sub-groups of the Turkic languages. The grammar of the most representative languages in each group (Oghuz, Oghuz-Chuvash, Kipchak, Turki, southern Siberian, Yakut), is studied.

TUM 433 Greek-Turkish Language Contacts (6 ECTS)
After an introduction to the methods of general contact linguistics, examples of linguistic interaction in the periods and regions of Greek-Turkish contact are studied (Asia Minor, Pontos and Istanbul in the 19th century, Cyprus and the Balkans up to the present, districts of Greece such as Thrace, Epiros, Crete). Besides lexical "loans", the phonetic, phonological, morphological and syntactical aspects are examined as part of the procedure of linguistic application and replacement. An important example is the Turkish Cypriot and Greek Cypriot dialects.

TUM 434 Karamanlidika (6 ECTS)
An introduction to the history of the Turkish-speaking Greek populations of Asia Minor and to their literature ("Karamanlidika" as it is known) and to Turkish literature in the Greek alphabet in general (e.g., in Istanbul). The greater part of the course consists of an analysis of the script and language of texts taken from different periods and genres (religious, literary, historical).
II. HISTORY - POLITICS

TUM 440 Ottomans and the Byzantium (6 ECTS)
In this course the relations between the Ottoman Empire and Byzantium from the mid-14th century to the mid-15th are examined. Special emphasis is placed on the question whether and to what extent the Ottomans inherited institutions from the Byzantine Empire. The course includes the study of primary sources in Greek and Turkish. This will include texts by Greek translation and texts by Byzantine authors accompanied by a Modern in Ottoman Turkish (either in the Arabic or in the Modern Turkish alphabet).

TUM 441 Institutions of the Ottoman Empire (6 ECTS)
In this course the institutions of the classical period (15th-16th century), the causes of their decline as well as the institutions that developed during the 19th century are examined. The course aims for a closer examination of significant aspects of the Ottoman Empire that were first studied in the introductory course TUM 250 and the direction course TUM 350. Selected primary sources will be read during the course.

TUM 442 Ottoman Chronicles (6 ECTS)
In this course some of the principal Ottoman historical chronicles of the 16th and 17th century are examined. The course focuses on the study of the chronicles as sources for Ottoman History and their use in the historiography of the 19th century.

TUM 443 Introduction to Ottoman Paleography and Diplomatics (6 ECTS)

TUM 444 The Tanzimat (6 ECTS)
In this course the reforms of the Tanzimat period and the institutions which resulted from these reforms are studied. Selected primary sources will be read.

TUM 445 The History of Education in the Ottoman Empire and Republican Turkey (6 ECTS)
In the process of westernisation and modernisation in the Ottoman Empire education played a major role. Efforts to reform the educational system began in the first half of the 19th century. Here the emphasis was on the study of Islam. It was not until the early 20th century that secular schools and curricula were introduced. With the establishment of the Turkish Republic religious schools were abolished and a three-stage educational system came into being. The course will look at the historical background of the educational system of modern Turkey, as well as the contemporary education system itself, with reference to the more important trends in educational thinking.

TUM 452 The Emergence and Development of Turkish Nationalism (6 ECTS)
The course starts with an introduction to theories of nationalism, and then progresses to an account of the development of Turkish nationalism. The course examines both the historico-political circumstances which favoured the development of Turkish nationalism and the ideas of its spiritual founders, for example, Ziya Gökalp and Yusuf Akçura. The coverage of the course extends to Kemal Atatürk’s conception of Turkish nationalism and the latter’s development in the period of single-party rule.

TUM 453 Islam in Contemporary Turkey (6 ECTS)
The principal concern of this course is the status of Islam in the Turkish Republic. Among the subjects covered are the religious reforms during Kemal’s tenure of power, Kemal’s conception of the secular state, the relation between Islam and politics, the post-Kemal period and the relationship between the state, society and religion.

TUM 455 Contemporary Diplomatic History of Turkey (6 ECTS)
The aim of the course is to introduce students to the international relations and diplomacy in the Turkish Republic. Students will learn in historical sequence the problems of Turkish foreign policy.

TUM 456 Turkey and the European Union (6 ECTS)
The course focuses on the relations between Turkey and the European Union, which formally began in the early 1960s and are still continuing. Turkey’s progress towards membership in the European Union and the effects of this progress on the internal structure of the country, including reforms, are one of the main subjects of the course. Emphasis is placed on the perception of Europe according to Turkish public opinion and the perception of Turkey by Europeans.

TUM 457 Political Thought in Contemporary Turkey (6 ECTS)
In this course, the ideas and movements which emerged in the 19th century and affected contemporary Turkey are examined. Main topics of the course will be Kemalism, liberal thought, left-wing thought, secularism, nationalism, conservative movements such as Islamic movements.

TUM 458 Political Parties in Contemporary Turkey (6 ECTS)
In this course the establishment and development of the political parties in contemporary Turkey are studied. The period of the one-party system (1920-1950), then the establishment of the multi-party system (1950 and after) are examined. The main political parties and their political programme, their ideological roots and the personalities who affected the political life of the country are presented.

TUM 459 The Role of the Military in Modern Turkey (6 ECTS)
From the Young Turks to the foundation of the Republic and up to the present day, the military establishment has played a significant role in Turkish politics. The course will focus on the history and self-image of the military, its direct and indirect
interventions in politics, NATO membership, the political tendencies and the economic power of the military.

**TUM 460 Ottoman Sources for the History of Cyprus (6 ECTS)**

Archives of Ottoman sources on Cyprus. Historiographical survey and publications of Ottoman sources about Cyprus. Sources on the history of Cyprus (i.e., Ottoman, Greek and Western) in comparative perspective. Ottoman sources: Chronicles, Defters, Documents. Analysis (diplomatic and historical) and critical commentary of the Ottoman sources on Cyprus. Emerging conclusions and comparison with established historiographical theories.

**TUM 461 Cyprus During Ottoman Rule (6 ECTS)**


**TUM 462 History of the Turkish Cypriot Community (6 ECTS)**

The main subject of this course is the occupation of Cyprus by the Ottomans and the development of the Turkish Cypriot community. The course is based on four historical periods:

a) the Ottoman period up to the British colonial administration (1571-1878),
b) during the British colonial administration (1878-1960),
c) from the establishment and development of the Republic of Cyprus,
d) developments in the Turkish Cypriot community from 1974 to date.

**TUM 463 Communal Relations in Cyprus (6 ECTS)**

In this course, emphasis will be placed on communal relations in Cyprus beginning just before the Ottoman period, during the Ottoman period and after. Daily life, cultural and linguistic interaction, mixed marriages, change of religion, social and working relations, etc.

**TUM 470 Islamic Reform Movements (6 ECTS)**

Attempts to reform religious ideas and practices as well as political and social ways of life preceded Western influences in Islamic countries. The domination of European states in the Middle East gave additional impetus to the Islamic reform movements which emerged after the 18th century. The course examines the various movements (e.g., the Wahhabiya, the Salafiya) and compares their origins, programmes, activities and influence.

**TUM 472 Contemporary Ideas and Movements in the Middle East (6 ECTS)**

The ideas and movements which have influenced the Middle East from the 19th century to the present day. The first part of the course concerns the movement for the modernisation of Islam. Secondly the rise of Arab nationalism is described. The third part of the course is concerned with Islamic fundamentalism.

**TUM 473 The Kurds in the Middle East (6 ECTS)**

Kurdish history is generally studied from the viewpoint of the neighbouring peoples (Arabs, Iranians, Turks). On the one hand there are historical reasons for this (the sources for Kurdish history are predominantly in the relevant three languages) and on the other hand, there are current political reasons (hardly any promotion of historical research without nation-state). It is one of the objectives of the course to move the history of the Kurds from this marginality into the centre of attention. Particular themes will be: the Kurds in the Middle Ages (e.g., the emergence of the term “Kurdistan” under the Seljuks), the situation of Kurdish principalities between the empires of the Ottomans and the Safavids, the consequences of Ottoman centralisation policies for the Kurds in the 19th century, the development of Kurdish nationalism and the partition of the regions inhabited by Kurds after World War I.

**TUM 476 The Armenians Under Turkish Rule (6 ECTS)**

The starting-point of the course is the Armenian massacres of the First World War. The next stage is the relations of the Republic of Armenia with Turkey up to the Second World War and the position of the Armenians in the Republic of Turkey. The course then goes back in time to the Armenian cultural renaissance of the 18th century, and from there progresses to the institutions of Armenian society in the Ottoman Empire and the links between those institutions and the state. Finally, the course examines the effect of the 19th-century Ottoman reforms on Armenian society, the development of the Armenian revolutionary movement and its consequences, particularly in the massacres. The course is taught as a seminar, where the students make an active contribution, normally in the form of presentations within the class.

**TUM 477 History of the Balkan People during Ottoman Empire (6 ECTS)**

An overview of the history of the Balkan peoples from the end of the 14th century to the beginning of the 20th century, with special emphasis on the legal and economic position of the individual as a member of a religious community, either Muslim or non-Muslim. Different peoples will be examined separately, taking into consideration the changes in the nature of Ottoman administration and in international commercial conditions. Students will read primary material and secondary sources in Turkish.

**TUM 483 Contemporary Turkish Historiography (6 ECTS)**

One of the cornerstones of Turkish nationalism was the declaration of Anatolia as the ancient homeland of the Turks, a view that was adopted and defended by academic and popular scientific historiography. Whereas pre-Islamic and Seljuk history were in fashion in the first decades of the Republic, Ottoman history has been the focus of attention since the 1950s. The course covers the developments which have taken place in the 20th century and tries to show how the writings of history, ideologies and politics interrelate.

**TUM 484 History of the Press in Ottoman Empire and Contemporary Turkey (6 ECTS)**

After a survey of the history of the press until the script reform of 1928, the course will examine the political and legal conditions underlying the development of the press. The focus will be on the national and provincial newspapers, but the Ottoman and
Turkish press will also be considered. The main aim of the course is to enable students to assess the distinctive character and orientation of the major newspapers.

Courses Common to both Directions

TUM 480 Turkish Language Reform (6 ECTS)

Efforts at reforming the Turkish and Ottoman languages started in the second half of the 19th century. At the beginning of the 20th century several writers advocated the adoption of the Latin alphabet, while others tried to promote a reformed version of the Ottoman script. In 1928 the law concerning the introduction of the Latin alphabet was passed. In this course, the stages of language reform and language policies in the Turkish Republic and the current debate are discussed mainly on the basis of texts in the Turkish language.

TUM 481 Turkish and Ottoman Literature of Autobiography/Memoirs (6 ECTS)

Memoirs constitute an important source for the political situation and cultural bent of Turkey in the 20th century. Students will be given a general overview of the genre, and will acquire a familiarity with the life and work of its outstanding representatives through the medium of selected passages. The large quantity of interesting and memorable information to be found in the works of littérauteurs, diplomats, politicians and teachers allow us to work out the similarities and differences in general outlook on life among given professional groups. The literary aspects of these works will be considered too.

TUM 490 Ottoman Paleography (6 ECTS)

The course is open to students who have already taken the course “Introduction to Ottoman Diplomatics and Paleography.” It includes the reading of manuscripts and the study of their different scripts.
# Analytical Programme of Studies - Linguistics and Literature

## 1st Year

### 1st Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
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<tr>
<td>TUM 100 Grammar and Syntax I (6 hours) (C)</td>
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<tr>
<td>TUM 106 Language Exercises I (Reading, Writing, Dialogue) (6 hours) (C)</td>
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<td>TUM 120 Introduction to Turkish Studies (IG)</td>
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### 2nd Semester

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**Year Total**

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## 2nd Year

### 3rd Semester

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<td>TUM 200 Grammar and Syntax III (3 hours) (C)</td>
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<td>TUM 230 Ottoman Language (C)</td>
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<td>TUM 240 Introduction to Modern Turkish Literature (IG)</td>
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**Year Total**

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## 3rd Year

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<td>TUM 302 Themes in Turkish Linguistics (CD)</td>
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**Year Total**

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<td>TUM 410 Themes in Modern Turkish Literature (CD)</td>
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**Year Total**

**60**

**Grand Total**

**240**

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**Note:**

(C) = Compulsory Language Course  
(IG) = Compulsory Introductory-General Course  
(CD) = Compulsory Direction Course
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<td><strong>60</strong></td>
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<td><strong>YEAR TOTAL</strong></td>
<td><strong>60</strong></td>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>240</strong></td>
</tr>
</tbody>
</table>

**Note:**

(C) = Compulsory Language Course
(IG) = Compulsory Introductory-General Course
(CD) = Compulsory Direction Course
RESTRICTED ELECTIVE COURSES

A. LINGUISTICS - LITERATURE
TUM 402  Morphology of the Turkish Language
TUM 403  Historical Grammar of the Turkish Language
TUM 404  Issues in Turkish Syntax
TUM 405  Didactics of the Turkish Language
TUM 407  Turkish Dialectology
TUM 411  Old Anatolian Turkish: Its Linguistic Features and Literature
TUM 413  Literature of the Tanzimat
TUM 414  The Turkish Novel
TUM 415  Contemporary Turkish Poetry
TUM 416  Istanbul in Turkish Literature
TUM 420  Contemporary Turkish Cypriot Literature
TUM 423  The Turkish Cypriot Dialect
TUM 430  Bilingualism and Language Contacts
TUM 432  Comparative Grammar of the Turkic Languages
TUM 433  Greek-Turkish Language Contacts
TUM 434  Karamanlidika
TUM 435  Balkan Turcology

B. HISTORY AND POLITICS
TUM 440  Ottomans and the Byzantium
TUM 441  Institutions of the Ottoman Empire
TUM 442  Ottoman Chronicles
TUM 443  Introduction to Ottoman Paleography and Diplomatics
TUM 444  The Tanzimat
TUM 445  The History of Education in the Ottoman Empire and Republican Turkey
TUM 452  The Emergence and Development of Turkish Nationalism
TUM 453  Islam in Contemporary Turkey
TUM 454  Greek-Turkish Relations
TUM 455  Contemporary Diplomatic History of Turkey
TUM 456  Turkey and the European Union
TUM 457  Political Thought in Contemporary Turkey
TUM 458  Political Parties in Contemporary Turkey
TUM 459  The Role of the Military in Modern Turkey
TUM 460  Ottoman Sources for the History of Cyprus
TUM 461  Cyprus during Ottoman Rule
TUM 462  History of the Turkish Cypriot Community
TUM 463  Communal Relations in Cyprus
TUM 470  Islamic Reform Movements
TUM 472  Contemporary Ideas and Movements in the Middle East
TUM 473  Kurds in the Middle East
TUM 476  The Armenians under Turkish Rule
TUM 477  History of the Balkan Peoples
TUM 483  Contemporary Turkish Historiography
TUM 484  History of the Press in the Ottoman Empire and Modern Turkey

C. COMMON COURSES FOR BOTH DIRECTIONS
TUM 480  Turkish Language Reform
TUM 481  Turkish and Ottoman Literature of Autobiography/Memoirs
TUM 485  Turkish Art and Architecture
TUM 486  Arabic Language I
TUM 487  Arabic Language II
TUM 488  Ottoman Texts
TUM 490  Ottoman Paleography

Note: All Restricted Courses can also be taught as Seminars.
Introduction

The Language Centre of the University of Cyprus provides resources and services for members of the University who need foreign language competency for their studies or personal interest. The Centre also enables students to satisfy the University's foreign language requirement (5 ECTS).

The Language Centre is dedicated to helping students succeed in mastering languages other than their mother tongue. As students acquire the four linguistic skills (speaking, listening, reading and writing), they also develop social and cultural competences in the language they study. These processes are enhanced through guided use of contemporary media such as magazines and newspapers, television and cinema, as well as various forms of instructional technology, including the blackboard course management system, computer-mediated communication (discussion forum, chat, blogs) and the internet.

The programme currently offers three courses for Academic English and ten English courses for specific purposes. It also offers four levels of French language studies and three French courses for specific purposes, four levels of German language studies and two German courses for specific purposes, and four levels each for Italian, Spanish and Turkish language studies. In addition there are three levels for Russian. All syllabi of languages other than English are aligned with the Common European Framework of References (CEFR) for Languages. All Language Centre courses, from beginner to advanced levels, are taught in the language of instruction.

Language Centre courses can be taken as elective or compulsory subjects. When compulsory, exemptions may be granted based on external certification, previous equivalent courses, or examination results. No exemption is granted for specially designed courses. Further information about exemption regulations can be found on the Centre’s web page www.ucy.ac.cy/goto/langce.

Courses offered at the 200 code are designed at the B2 CEFR Level.

The Centre also supports adult education programmes of the Centre of Continuing Education, Assessment and Development by offering language courses to
organisations and companies. It also contributes to the secondary School Teachers’ Pre-service Programme offered by the University.

Since 2011 the Language Centre has been offering intensive summer elective courses. The courses are offered for 7 weeks during June and July.

ENGLISH LANGUAGE COURSES

This programme is conceived primarily to help students function academically and socially in a university setting. Students engage collaboratively in the completion of tasks that are pedagogically and linguistically motivated to develop and enhance knowledge of English.

Students entering the first level of English Language Studies (LAN 100) are expected to be approximately at the level of the Cambridge FCE Exam or at the B1+ (Threshold) level of the Common European Framework of Reference for Languages.

All English language courses can be taken as free electives provided any prerequisites are met.

COURSE DESCRIPTIONS

LAN 100 General Advanced English (5 ECTS)

This is an integrated skills course which has been designed to help students build upon their existing competence in English. Students research, practice and deliver an informative presentation. At the end of the course, students are expected to be well at the B2 CEFR level.

LAN 101 Academic English (5 ECTS)

Prerequisite: LAN 100 or equivalent

In this course students will continue to develop proficiency in all areas of the language regarding reading, writing, listening and speaking. A persuasive presentation is delivered at the end of the semester. At the end of the course, students are expected to be at the B2 CEFR level.

LAN 200 General Topics in Academic English (5 ECTS)

Prerequisite: LAN 101 or equivalent

The course continues to develop the language and study skills taught in LAN 100 and LAN 101 at a more advanced level, using texts and topics of a general nature. Students undertake projects, prepare class papers and make oral presentations.

English for Special Purposes

LAN 102 English for Architecture (5 ECTS)

Prerequisite: LAN 100 or equivalent

This course is specifically designed to meet the needs of university students studying in the field of Architecture. It aims to enable students to use the English language efficiently and fluently during their academic studies and later in the performance of their professional duties. The course focuses on activating all language skills through cooperative task-based work. Tasks include delivering oral presentations (e.g. 3-D models), reading and writing documents in architectural contexts, developing academic study skills, listening, speaking and extensive terminology practice on topics such as construction sites, plans and materials.

LAN 103 English for Biomedical Sciences (5 ECTS)

Prerequisite: LAN 100 or equivalent

This course is specifically designed to meet the needs of university students specializing in the fields of Biology and Medicine. It aims to enable students to use the English language efficiently and fluently during their academic studies and later in their professional lives. The course focuses on activating all language skills through collaborative task-based work. Tasks include delivering oral poster presentations, reading and writing scientific texts, developing academic study skills, listening and speaking within the context of biomedical sciences and developing an extensive vocabulary focused on topics related to biology and medicine.

LAN 104 English for Technical Purposes (5 ECTS)

Prerequisite: LAN 100 or equivalent

This course aims at developing effective communication skills in the English language. It focuses on technical writing and oral presentations related to the discipline of Engineering. Students improve their ability to convey technical content clearly and convincingly in both writing and speaking.

LAN 109 English for Law (5 ECTS)

Prerequisite: LAN 100 or equivalent

This course is specifically designed to meet the needs of university students studying in the field of Law. It aims to enable students to use the English language efficiently and fluently during their academic studies and later in the performance of their duties as qualified lawyers. The course focuses on activating all language skills through cooperative task-based work in a legal context: delivering oral presentations, reading and writing legal documents, academic study skills, listening and speaking about legal matters and extensive legal terminology practice.

LAN 111 English for Computer Science (5 ECTS)

Prerequisite: LAN 100 or equivalent

This course aims at helping students communicate successfully in the field of Computer Science by teaching them the use of effective reading, writing and speaking strategies. Students will work on understanding texts relevant to their field, writing concisely and coherently as well as improving speaking fluency by delivering oral presentations all of which are essential tools in their academic life as well as future professional environment. Collaboration and interaction between students will be achieved through various group and task-based activities.

LAN 201 Business Communication for Management (5 ECTS)

Prerequisite: LAN 101 or equivalent

The course aims to help students communicate successfully in the business world, by teaching them the use of effective writing and speaking strategies and skills. Particular features of the course have been designed to focus on communication-related topics and issues critical to students of the Department of Business and Public Administration.
LAN 202 English for Public Speaking (5 ECTS)

Prerequisite: LAN 101 or equivalent

This course is designed to improve communicative skills in English in an academic setting through a combination of theory and practice. In order to develop proficiency in verbal communication, students will complete a variety of activities, both individual and group, and be evaluated by their peers and their instructor according to task type. Course materials are drawn from an extensive selection of current printed matter, online resources, video and podcasts. One of the intentions of this course is to encourage students to begin to recognize the parameters within which their own culture operates and understand the important role culture plays when engaging in public speaking activities.

LAN 203 English for European and International Relations (5 ECTS)

Prerequisite: LAN 101 or equivalent

The purpose of this specialized advanced course is to encourage students to begin to recognize the parameters within which their own culture operates and understand the important role culture plays when engaging in public speaking activities.

FRENCH LANGUAGE COURSES

The French language is one of the three working languages of the European Union together with the English and the German language and one of the two working languages of the UN, UNESCO and NATO, amongst others. The decision making centres of the European Union and other international organisations are located in various French speaking cities, including Brussels, Strasbourg, Luxembourg, Geneva, and Lausanne. This implies work access in areas of politics, economics, diplomacy, law, business and transport.

The French language courses, structured in accordance with the proficiency levels of Common European Framework of Reference for Languages, are intended to develop effective communicative skills, as well as social and cultural skills and knowledge, through the use of a variety of approaches based on interaction and the use of audio-visual and authentic materials.

COURSE DESCRIPTIONS

LAN 105 French Beginner Level I (5 ECTS)

In this course students will acquire the basic language skills of listening, speaking, reading and writing, enabling them to understand and use simple French in everyday life.

LAN 106 French Beginner Level II (5 ECTS)

Prerequisite: LAN 105 or equivalent

At this stage, students will be able to communicate in simple routine situations and handle short social exchanges on familiar and everyday topics. By the end of the course, students are expected to function at the A1 (Breakthrough) level of the CEFR.

LAN 107 French Intermediate Level I (5 ECTS)

Prerequisite: LAN 106 or equivalent

At this stage, students are expected to be able to communicate in situations related to routine matters and to have greater confidence in their oral and written expression. By the end of the course, students should be able to function at the A2 (Waystage) level of the CEFR.

LAN 108 French Intermediate Level II (5 ECTS)

Prerequisite: LAN 107 or equivalent

This course continues to develop communicative skills, teaching students how to express opinions and exchange views on everyday situations and current events. It explores different aspects of contemporary France using audiovisual and authentic materials. By the end of the course, students are expected to be well on their way to the B1 (Threshold) level of the CEFR.
French for Specific Purposes
LAN 110 French for Specific Purposes – History and Archaeology - Intermediate Level I (5 ECTS)

Prerequisite: LAN 106 or equivalent

This course is designed for the students of the Departments of Classics and Philosophy, History and Archaeology, and Byzantine and Modern Greek Studies. It aims to develop comprehension of French texts in these areas of specialization. Particular attention is focused on specialized vocabulary terminology in the above fields of study. Grammatical knowledge is expanded within the context of the texts examined. By the end of the course, students are expected to be well on their way to the A2 (waystage) level of the CEFR.

LAN 205 French for European and International Relations (5 ECTS)

Prerequisite: LAN 108 or equivalent

The purpose of this specialized course is to provide students with knowledge of European and international relations through the medium of French and to encourage the practice of the French language in this specific context. The course will include thematic presentations, but will also be task-oriented. The tasks will develop comprehension and production competence as well as Intercultural skills. Possible themes will include: The functioning of European and international Institutions, the Political, Economic and Social Cooperation, European and Regional Integration, etc. Through the successful completion of this course students will gain a substantial advantage for their future careers.

LAN 206 Business French (5 ECTS)

Prerequisite: LAN 108 or equivalent

The course specifies how companies work and the French way of approach to commercial relationships. This sensitization about cultural aspects will be accompanied by the acquisition of practical knowledge: for instance, writing a C.V., telephone skills, negotiating prices, write a business letter, deal with clients, organize a business trip, etc. The teaching of this course will be based on authentic audio-visual and written documents and task-based learning. It will lead to a communication ability directly operational in the world of business. This course will prepare students for the “Certificate of Professional French” or for the “Business French Diploma” of the Chamber of Commerce and Industry of Paris.

GERMAN LANGUAGE COURSES

German is the language with the largest number of speakers within the European Union, spoken in Germany, Austria and most parts of Switzerland. Within the academic world, a good knowledge of German is especially important in disciplines like Classics, Philosophy, Archaeology and History.

The programme of German courses is organized in accordance with the proficiency levels of the Common European Framework of Reference for Languages (CEFR). It develops all four communicative skills, as well as social and cultural knowledge through the use of a variety of methodologies based on interaction, the use of authentic material including modern media like film, and the exploitation of computer-based resources such as the internet and blackboard.

COURSE DESCRIPTIONS

LAN 070 German Beginner Level I (5 ECTS)

This course will teach students how to function at a very basic level of listening, speaking, reading and writing, enabling them to understand and use simple language based on a limited sentence structure and familiar vocabulary related to areas of immediate relevance (personal background, cafés, countries/languages, housing, daily routine, etc.).

LAN 071 German Beginner Level II (5 ECTS)

Prerequisite: LAN 070 or equivalent

This course will further strengthen the four communicative skills and enable students to understand and exchange information on familiar matters (restaurant, orientation in town, holidays/sights, shopping, fashion, etc.) By the end of the course, students are expected to function at the A1 (Breakthrough) level of the CEFR.

LAN 072 German Intermediate Level I (5 ECTS)

Prerequisite: LAN 071 or equivalent

The course continues to develop communicative skills allowing students to communicate in situations relative to routine matters and to matters like health, language learning, family, traveling/mobility, spare time, etc.. By the end of the course students will be well on their way to A2 (Waystage) level of the CEFR.

LAN 073 German Intermediate Level II (5 ECTS)

Prerequisite: LAN 072 or equivalent

This course will enable students to communicate in most situations with greater confidence in their oral and written expression concerning the description of experiences, events, future projects, wishes and hopes, reasons and explanations for opinions and plans (on going out, restaurants, housing, culture, inventions and feasts in Germany, work and education, etc.). By the end of the course, students will be functioning at the A2 (Waystage) level of the CEFR.

German for Specific Purposes

LAN 207 German for Specific Purposes – History and Archaeology - Intermediate Level I (5 ECTS)

Prerequisite: LAN 073 or equivalent

The purpose of this specialized course is to provide students with knowledge of European and international relations through the medium of German and to encourage the practice of the German language in this specific context. The course will include thematic presentations, but will also be task-oriented. The tasks will develop comprehension and production competence as well as intercultural skills. Possible themes will include: The functioning of European and international institutions, the political, economic and social cooperation, European and Regional integration, etc. Through the successful completion of this course students will gain a substantial advantage for their future careers.
LAN 208 German for Business (5 ECTS)

Prerequisite: LAN 073 or equivalent

The course concentrates on the peculiarities of German enterprises and the specifics of German trade relationships. Awareness of intercultural relations will be complemented by the acquisition of practical knowledge: writing a CV, making telephone calls, negotiating prices, writing a business letter, negotiating with clients, organising a business trip etc. The teaching of the course is based on authentic audio-visual material and authentic written documents as well as on individual task-based learning. This approach aims to foster ready-to-use communicative skills and abilities in the field of business.

ITALIAN LANGUAGE COURSES

The courses of Italian language offered by the Language Centre are structured according to the Common European Framework of Reference for Languages.

Our courses are guided by communicative approach principles and are based on practical activities linked to everyday life, requiring the use of the four skills: speaking, listening, reading and writing. Particular emphasis is placed on interactive communication, focusing on language use in real situations. The general objectives of the courses are to enable students to communicate at different levels in a variety of contexts. Audio-visual materials and e-learning facilities will be used during the courses to encourage students to practice the structures and topics learned in the classroom, and to promote self-learning and self-evaluation.

COURSE DESCRIPTIONS

LAN 075 Italian - Beginner Level I (5 ECTS)

The general aim of the course is for students to acquire the ability to produce and to understand basic Italian, oral and written, for the satisfaction of personal needs and interests, for giving and asking information and for interacting in a simple way with Italians or during a visit to Italy.

LAN 076 Italian - Beginner Level II (5 ECTS)

Prerequisite: LAN 075 or equivalent

The general aim of the course is for students to understand and to use common expressions for communication in routine tasks and matters, for expressing and describing personal background or local environment. By the end of the course, students are expected to function at the A1 (Breakthrough) level of the CEFR.

LAN 077 Italian - Intermediate Level I (5 ECTS)

Prerequisite: LAN 076 or equivalent

The general aim of the course is for students to understand and to produce a broad range of communicative and interactive expressions related to personal information, social exchanges, shopping, and employment and to comprehend clear messages and announcements. By the end of the course, students are expected to be able to function at the A2 (Waystage) level of the CEFR.

LAN 078 Italian - Intermediate Level II (5 ECTS)

Prerequisite: LAN 077 or equivalent

The general aim of the course is for students to understand and produce a broader range of communicative and interactive expressions. A range of different situations will be given, requiring the exchange of everyday information and expressions of personal viewpoint on topics discussed during the course. By the end of the course, students are expected to be well on their way to the B1 (Threshold) level of the CEFR.

LAN 079 Italian - Culture and Society (5 ECTS)

Prerequisite: LAN 076 or equivalent

This course offers an overview of Italian culture, society and way of life, and aims to enhance students’ cultural knowledge as well as their linguistic competence. The language of instruction is Italian, and students are required to have at least a basic knowledge of the language at A1 CEFR level. English will be used as a communicative resource in order to clarify information and expand on the content.

All study materials will be provided by the instructor. The course will include extensive use of audio-visual materials and web resources.

SPANISH LANGUAGE COURSES

More than four hundred million people speak Spanish today. Hispanic literature, music, cinema, art, architecture and business reflect a vibrant Latino world.

Studying Spanish as a foreign language offers a good opportunity to learn basic communicative and receptive skills (oral and written). Music, literature, movies and learning in real communicative situations are keys to becoming an autonomous learner. The program of Spanish, courses offered by the Language Centre is correlated with proficiency levels of the Common European Framework of Reference for Languages: A1-A2-B1. Teachers work with students to reach these levels, with particular attention to learner needs and objectives for language acquisition.

COURSE DESCRIPTIONS

LAN 085/086 Spanish - Beginner Level I/II (5 ECTS)

Prerequisite for LAN 086: LAN 085 or equivalent

Learners can understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type. Learners can introduce themselves and others and can ask and answer questions on personal details. Learners can interact in a simple way provided the other person talks slowly and clearly. By the end of the second course, students are expected to reach the A1 (Breakthrough) level of the CEFR.

LAN 087 Spanish - Intermediate Level I (5 ECTS)

Prerequisite: LAN 086 or equivalent

Learners can understand sentences and frequently used expressions related to areas of most immediate relevance. Learners can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar and routine matters. They can describe aspects of their background,
immediate environment and needs in simple terms. By the end of the course, students are expected to reach the A2 (Waystage) level of the CEFR.

LAN 088 Spanish - Intermediate Level II (5 ECTS)

Prerequisite: LAN 087 or equivalent

Learners can understand the main points of clear standard input on familiar matters regularly encountered at work, school, leisure, etc. Learners can deal with most situations likely to arise whilst travelling in an area where the language is spoken. They can produce simple connected texts on familiar topics or topics of personal interest. They can describe experiences and events, dreams, hopes and ambitions, and briefly give reasons and explanations for opinions and plans. By the end of the course, students are expected to be well on their way to the B1 (Threshold) level of the CEFR.

The Spanish Language section cooperates with the Aula Cervantes Programme introduced in February 2011 at the University. Further information on the programme can be found at www.cervantes.es.

RUSSIAN LANGUAGE COURSES

An elementary Russian course which is designed to teach basic listening, speaking, reading and writing skills in Russian. Its purpose is to provide students with a general knowledge of the language. Upon completion of the course, students will be able to understand short and simple instructions, introduce themselves, describe objects, people, family, and write about themselves using simple sentences.

LAN 091 Russian - Beginner Level II (5 ECTS)

Prerequisite: LAN 090 or equivalent

The course exposes students to the basic tenses, grammatical rules and syntactical structure of the language, as well as practical vocabulary. Students will also gain greater confidence in using more complex sentences and exchanging ideas about the culture of the target language. Upon successful completion of the course, students will be able to understand more complicated instructions, communicate in everyday language and write short biographical notes and simple compositions.

LAN 092 Russian - Intermediate Level I (5 ECTS)

Prerequisite: LAN 091 or equivalent

The course presupposes basic language skills in Russian and is designed to build on them to improve practical competence. Emphasis is placed on improving the spoken and written communication skills of students. Students will learn methods to help themselves continue to understand better spoken and written Turkish. Upon successful completion of the course, students will be able to function at a level equivalent to the A1 (Breakthrough) of the CEFR, attaining confidence in their written and oral expression, interacting in a simple situation of everyday life, describing past events or projects and understanding fluent spoken standard Turkish.

LAN 053 Turkish – Intermediate Level II (5 ECTS)

Prerequisite: LAN 052 or equivalent

This course is designed for students to improve their previous basic knowledge in the Turkish language. In this course, students have an opportunity to improve their communicative skills by using interactive expressions related to routine matters, experiences, future plans and hopes and to many other similar matters. At the end of the course, students are expected to be able to communicate easily both in oral and written language by using more complicated phrases and expressions. By the end of the semester, students are expected to be able to reach to the A2 (Waystage) level of the CEFR.

RUSSIAN LANGUAGE COURSES

Learning Russian is a process which helps to develop closer links, relationships and communication between Cyprus and Russia, countries with common linguistic traditions and a rich culture. The programme offered by the Language Centre is organized in accordance with the Common European Framework of Reference for Languages at a level equivalent to A1 (Breakthrough).

COURSE DESCRIPTIONS

LAN 090 Russian - Beginner Level I (5 ECTS)

An elementary Russian course which is designed to teach basic listening, speaking, reading and writing skills. The course focuses on developing oral communicative competency. It seeks to establish oral communication skills, develop students' ability to take part in dialogues and discussions, teach students to read short texts, foster listening comprehension and develop writing skills.

LAN 091 Russian - Beginner Level II (5 ECTS)

Prerequisite: LAN 090 or equivalent

The course is designed for learners with some previous knowledge of Russian. In particular, it seeks to strengthen communication skills, both oral and written, develop students' ability to understand the main ideas of speech directed to them, foster students' expression of their own ideas and opinions, teach students to read short texts on different topics, and develop writing skills, using simple grammatical structures.

LAN 092 Russian - Intermediate Level I (5 ECTS)

Prerequisite: LAN 091 or equivalent

The course presupposes basic language skills in Russian. It seeks to advance students' communication skills, both oral and written, develop students' ability to attain greater competency in their written and oral expressions, and foster students' expression of their own wishes and opinions. The course teaches students to read short texts and review them, as well as further developing writing skills. In particular, it fosters students' ability to write short essays, using complex sentences. By the end of the course, students are expected to function at a level equivalent to A1 (Breakthrough) of the CEFR.
**CHINESE LANGUAGE COURSES**

The Chinese language courses offered jointly by the Language Center and the Confucius Institute at UCY are designed to conform to levels that correspond to both the Common European Framework of Reference for Languages (CEFR) and China’s Hanyu Shuiping Kaoshi (HSK, Chinese Proficiency Test).

Our courses are guided by communicative approach principles and are based on practical activities linked to everyday life, requiring the use of the four skills: listening, speaking, reading and writing. Particular emphasis is placed on interactive communication, focusing on language use in representative situations. The general objectives of the courses are to enable students to communicate at different levels in a variety of contexts, with the aim of preparing them to use Chinese in their future careers and social communication.

Audio-visual materials and e-learning facilities will be used during the courses to encourage students to practice the structures and topics learned in the classroom, and to promote self-learning and self-evaluation. In addition to the 13-weeks of classroom sessions for each level of the course, there will be at least 6 Chinese Language Café Hours in the even weeks during the semester. Students are encouraged to participate in all the Chinese Language Café Hours to practice and consolidate the language they have learned in class.

**COURSE DESCRIPTIONS**

**LAN 060 Chinese Beginner Level I (5 ECTS)**

*Prerequisites:* LAN 060 or equivalent

*Learning outcomes:* upon completing this course, students will:
1. have acquired the 100 most frequently used Chinese words;
2. be able to use Chinese to carry out communicative activities in everyday situations such as greeting, ordering food, and shopping;
3. attain CEFR-Pre-level A1 and HSK Pre-level 1 of the Chinese language proficiency test.

**LAN 061 Chinese Beginner Level II (5 ECTS)**

*Prerequisites:* LAN 060 or equivalent

*Learning outcomes:* upon completing this course, students will:
1. have acquired the 200 most frequently used Chinese words;
2. be able to use Chinese to carry out communicative activities in everyday situations such as greeting, ordering food, and shopping;
3. attain CEFR-A1 and HSK Level 1 of the Chinese language proficiency test.

**LAN 062 Chinese Intermediate Level I (5 ECTS)**

*Prerequisites:* LAN 061 or equivalent

*Learning outcomes:* upon completing this course, students will:
1. have acquired 300 frequently used Chinese words;
2. be able to use Chinese to carry out communicative activities in a variety of areas such as daily life, work, study, and travelling;
3. attain CEFR-A2 and HSK Level 2 of the Chinese language proficiency test.

**LAN 063 Chinese Intermediate Level II (5 ECTS)**

*Prerequisites:* LAN 062 or equivalent

*Learning outcomes:* upon completing this course, students will:
1. have acquired 500 frequently used Chinese words;
2. be able to interact fluently in Chinese with native Chinese speakers on much broader topics;
3. attain CEFR-Pre-level B1 and HSK Pre-level 3 of the Chinese language proficiency test.
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<tbody>
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<td>Turkish - Intermediate Level I</td>
<td>LAN 051 or equivalent</td>
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<tr>
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<td>Turkish - Intermediate Level II</td>
<td>LAN 052 or equivalent</td>
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<td>Chinese Beginner Level I</td>
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<td>LAN 080 or equivalent</td>
</tr>
<tr>
<td>LAN 082</td>
<td>Spanish - Intermediate Level I</td>
<td>LAN 081 or equivalent</td>
</tr>
<tr>
<td>LAN 083</td>
<td>Spanish - Intermediate Level II</td>
<td>LAN 082 or equivalent</td>
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<tr>
<td>LAN 084</td>
<td>Russian - Beginners Level I</td>
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<td>LAN 087</td>
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<tr>
<td>LAN 099</td>
<td>General Advanced English</td>
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<td>Academic English</td>
<td>LAN 099 or equivalent</td>
</tr>
<tr>
<td>LAN 100</td>
<td>General Topics in Academic English</td>
<td>LAN 101 or equivalent</td>
</tr>
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<td>LAN 105</td>
<td>French - Beginners Level I</td>
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<td>LAN 106</td>
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<td>LAN 107</td>
<td>French - Intermediate Level I</td>
<td>LAN 106 or equivalent</td>
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<tr>
<td>LAN 108</td>
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**Courses for Special Purposes**

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<td>LAN 103</td>
<td>English for Biology</td>
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<td>LAN 104</td>
<td>English for Technical Purposes</td>
<td>LAN 100 or equivalent</td>
</tr>
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<td>LAN 109</td>
<td>English for Law</td>
<td>LAN 100 or equivalent</td>
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<tr>
<td>LAN 110</td>
<td>French for Specific Purposes, History and</td>
<td>LAN 106 or equivalent</td>
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<td></td>
<td>Archaeology - Intermediate Level I</td>
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</tr>
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<td>LAN 111</td>
<td>English for Computer Science</td>
<td>LAN 100 or equivalent</td>
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<td>LAN 201</td>
<td>English for Public and Business Administration</td>
<td>LAN 101 or equivalent</td>
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<td>LAN 202</td>
<td>English for Public Speaking</td>
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<td>English for European and International Relations</td>
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</tr>
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<td>LAN 204</td>
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<td>LAN 205</td>
<td>French for European and International Relations</td>
<td>LAN 108 or equivalent</td>
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<td>LAN 206</td>
<td>Business French</td>
<td>LAN 108 or equivalent</td>
</tr>
<tr>
<td>LAN 207</td>
<td>German for European and International Relations</td>
<td>LAN 073 or equivalent</td>
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<td>LAN 208</td>
<td>Business German</td>
<td>LAN 073 or equivalent</td>
</tr>
<tr>
<td>LAN 209</td>
<td>Advanced English for Global Communication</td>
<td>LAN 101 or equivalent</td>
</tr>
</tbody>
</table>

www.ucy.ac.cy/tms-en
FACULTY OF LETTERS

• Department of Byzantine and Modern Greek Studies
• Department of Classics and Philosophy
• Department of History and Archaeology
OBJECTIVES OF THE DEPARTMENT

The Department of Byzantine and Modern Greek Studies covers the subjects of Byzantine Philology, Modern Greek Literature, Theory of Literature, Comparative Literature, and Linguistics, and offers a single Major in Byzantine and Modern Greek Language and Literature. The Department focuses on both research and teaching. The main areas of research include the following:

(a) the study of Greek Language and Literature from the early post-Christian era to the present, with reference to previous periods as well from the Archaic period up to the Hellenistic period,

(b) the examination of Greek literary production within a European as well as a world context,

(c) the study of Greek language and literature in Cyprus.

The programme of study is designed to provide a scholarly grounding in the areas covered by the Department. It includes modules in Ancient Greek Philology, Latin Philology, History and Philosophy (from the programmes of study of the other two departments of the Faculty of Letters) that will equip the students with the necessary skills to teach the respective subjects in secondary schools. For the same reason, the programmes of study run by the other departments of the Faculty of Letters include modules in Byzantine Philology, Modern Greek Literature and Linguistics. Apart from providing scholarly knowledge, the programme of study aims at developing the students’ critical thinking, as well as broadening their intellectual horizons.

Graduates of our Department are qualified to seek employment in secondary education, research institutes and cultural foundations. Alternatively, they may choose to continue their studies and specialise at postgraduate level.

The Department also offers a Minor in Byzantine and Modern Greek Language and Literature. The Minor Programme includes twelve courses (see Table V).

Students from other faculties take service courses in the Department of Byzantine and Modern Greek Studies (see Table IV). More specifically, the Department offers two courses from the programme of study of the Department of Education (i.e. BMG 090 Introduction to Modern Greek
Elective courses in Byzantine Philology and Modern Greek Literature are marked with course codes BMG 001-099, while elective courses in Linguistics are marked with course codes LAS 075-099. Apart from elective courses specifically targeted to students of other departments, these students may also select departmental courses marked as E (for elective).

**STRUCTURE AND ORGANIZATION OF THE PROGRAMME OF STUDY**

**ECTS**

The B.A. programme in Byzantine and Modern Greek Language and Literature consists of 45 courses, corresponding to a total of 241 ECTS. For the distribution of courses per subject see Table I. Courses in Byzantine Philology, Modern Greek Literature, Theory of Literature, and Comparative Literature bear course codes which start with BMG for (B)yzantine and (M)odern, (G)reek Studies, while Linguistics courses bear course codes which start with LAS for (La)nguage (S)ciences. Courses are offered at three levels. The course codes for each level are presented next.

1. Introductory courses (BMG 100, BMG 110, BMG 120, BMG 130, BMG 141, BMG 160, BMG 170 and LAS 150). They correspond to 5 ECTS each.

2. Courses offering a survey of selected topics (BMG 200-299, BMG 300-399 and LAS 200-299). They correspond to 5 ECTS each.

3. Seminars offering an in depth examination of selected topics (BMG 400-499). They correspond to 9 ECTS each.

The 7th semester course BMG 435 Survey of Modern Greek Literature corresponds to 8 ECTS.

For the distribution of course codes see Table II. For the distribution of courses per semester see Tables III and IV.

### COMPULSORY COURSES

The programme of study for the B.A. in Byzantine and Modern Greek Language and Literature includes twelve Compulsory Courses (cf. the Descriptions for Compulsory Courses). Ten of these courses are introductory: two courses of Byzantine Philology, three courses of Modern Greek Literature, one course of Theory of Literature, one Linguistics course, two courses of Ancient Greek Philology, and one course of Latin Philology. The remaining two compulsory courses include an Essay Writing course and a Survey of Modern Greek Literature. Eleven of the compulsory courses are offered in the first three semesters, as follows. In the first semester: BMG 100 Introduction to Byzantine Literature, BMG 120 Introduction to Modern Greek Literature, BMG 160 Essay Writing, LAS 150 Introduction to Theoretical Linguistics, AEF 101 Introduction to Classical Scholarship and AEF 131 Ancient Greek Prose Composition. In the second semester: BMG 110 Introduction to Greek Palaeography, BMG 130 Introduction to the Theory of Literature, BMG 141 Introduction to Modern Greek Metrics and BMG 170 Landmarks in Modern Greek Literature. In the third semester: LAT 195 Latin Prose Composition. Course BMG 435 Survey of Modern Greek Literature is taught in the 7th semester.

### BYZANTINE PHILOLOGY

Apart from the two compulsory courses in Byzantine Philology (BMG 100 and BMG 110), students must attend a course in each one of the three chronological periods of study of Byzantine Literature (see Table II), as well as a seminar in Byzantine Philology. Courses covering more than one chronological period (see General Topics in Byzantine Philology in Table II) can satisfy the distinct period requirement with respect to only one chronological period.

### MODERN GREEK LITERATURE

Apart from the three compulsory introductory courses in Modern Greek Philology (BMG 120, BMG 141 and BMG 170), as well as the Compulsory Survey Course BMG 435, students must attend a course in each one of the seven core areas of Modern Greek Literature (see Table II) and two seminars in Modern Greek Literature. Courses covering more than one core area of Modern Greek Literature (see General Topics in Modern Greek Literature in Table II) can satisfy the above requirement with respect to only one core area.

### THEORY OF LITERATURE - COMPARATIVE LITERATURE

Apart from the Compulsory Course BMG 130, students must attend one lecture course in this area.

### LINGUISTICS

Apart from the compulsory courses LAS 150 Introduction to Theoretical Linguistics, students must attend three courses from the two areas of Theoretical Linguistics (see the distinction between Theoretical Linguistics and other branches of Linguistics in Table II).

### ANCIENT GREEK PHILOLOGY

Apart from the compulsory courses AEF 101 and AEF 131, students must take four 200-level Ancient Greek Philology courses from the Department of Classics and Philosophy.
LATIN PHILOLOGY
Apart from the Readings in Latin (LAT 195), students must attend one 200-level Latin Philology course from the Department of Classics and Philosophy.

HISTORY
Students must take four History courses from the Department of History and Archaeology, distributed as follows: one course in Ancient Greek History, one course in Byzantine History, one course in Modern or Contemporary Greek History and one 100-level or 200-level option.

PHILOSOPHY
Students must take one 100-level Philosophy Course and one 200-level Philosophy Course (PHIL 200-299) from the Department of Classics and Philosophy.

SEMINARS
From the 5th semester onwards students must attend one seminar in Byzantine Philology and two seminars in Modern Greek Literature. Prerequisites for seminars include all the compulsory courses (except for BMG 435), as well as at least two courses in Byzantine Philology and Modern Greek Literature, respectively.

ELECTIVE COURSES
Students must take three elective courses. In line with the University Regulations relating to Undergraduate Studies, in the case of three elective courses these must be selected from at least two different Faculties of the University. Only one first-level foreign language course can be taken as an elective. The student may take a second-level course in the same foreign language, in which case both levels are credited as electives.

In view of the fact that Archaeology and History of Art play a role in the understanding of medieval and modern civilization, students are advised to take as elective courses a course in Byzantine Archaeology and/or a course in Modern or Contemporary Art from those offered by the Department of History and Archaeology.

FOREIGN LANGUAGE
Students must select two courses in a foreign language. Both courses must be in the same foreign language.

COMPULSORY COURSES

BMG 100 Introduction to Byzantine Literature (5 ECTS)
Offers an overview of Byzantine Philology, focusing on the main characteristics of Byzantine Literature, as well as on language change from Medieval to Modern Greek. Familiarizes students with the use of reference works (dictionaries, grammars, text books, etc.). A variety of passages are studied and translated in Modern Greek while other passages are read in Modern Greek translations. The selected texts cover a wide range of literary genres and stylistic levels from the 1st to the 15th centuries inclusive.

BMG 110 Introduction to Greek Palaeography (5 ECTS)
Introduces the history of Greek writing and manuscripts from the appearance of the cod (2nd century A.D.) up to the development of printing (16th century). Covers more general issues (materials, scripts, writing techniques and scriptoria, financial and social context, dating). Students practice reading and transcribing manuscripts.

BMG 120 Introduction to Modern Greek Literature (5 ECTS)
Introduces a variety of issues concerning all subjects relating to Modern Greek Literature. Topics include bibliography, history of literature, terminology, literary genres, literary essay, literary criticism and so on.

BMG 130 Introduction to the Theory of Literature (5 ECTS)
Introduces basic concepts of literary theory. It examines the literary text in relation to such fundamental notions as the author, the reader, and reality (i.e. mimesis) tracing the historical perceptions and developments associated with these concepts. It also explores specific literary theories such as psychoanalytic literary criticism, structuralism, post-structuralism, postcolonial theory, deconstruction, cultural studies, Marxist literary critique etc. The course draws its material from a variety of theoretical disciplines that include anthropology, psychology, political theory, sociology, linguistics and philosophy. Its basic aim is to introduce the students to different methodological approaches and interpretations of literary texts.

BMG 141 Introduction to Modern Greek Metrics (5 ECTS)
The course examines Modern Greek traditional metres as well as the development of free verse.

BNE 160 Essay Writing (5 ECTS)
The aim of the course is: a) to familiarise students with academic discourse (structure of texts, argumentation) and b) to cultivate critical thinking as well as the academic use of the Greek language. In the context of the course, the essays of important writers will be thoroughly analysed and at the same time students will have the opportunity to develop their academic essay writing skills.

BNE 170 Landmarks in Modern Greek Literature (5 ECTS)
This course constitutes an introduction to Modern Greek Literature. The objective of the course is the study of literature through a historical perspective and the critical reading of works which are considered milestones of Modern Greek Literature.
BMG 435 Modern Greek Literature (5 ECTS)

The course aims at familiarizing final year students with the most important texts of Modern Greek Literature, from its early appearances to the present day. The course syllabus includes 62 texts of Modern Greek Literature, some of which are taught in class during term time. The list of texts can be obtained from the academic advisors/tutors and the Departmental Secretary.

LAS 150 Introduction to Theoretical Linguistics (5 ECTS)

The course sets out to challenge some of the conventional wisdom about (the Greek) language and the way it works. The myths examined in this course include misconceptions about language change, the relationship between Ancient Greek and Modern Greek and the concept of language errors. The course presents basic concepts of Modern Linguistics, such as equality among languages, the precedence of speech over the written language and the notion of linguistic conventions. It introduces key distinctions of Modern Linguistics, such as the synchrony-diachrony distinction, the description-prescription distinction and the langue-parole distinction. Examines whether there are universal characteristics of languages, as well as what it means to have native knowledge of a language. The course focuses on the study of language as a system. It presents the four branches of Theoretical Linguistics, namely Phonology, Morphology, Syntax and Semantics, giving emphasis on data description and the construction of explanatory models in linguistic theory. Students are given the opportunity to develop and practice their problem-solving skills which can be applied to different phenomena in each one of the core areas of Theoretical Linguistics.
<table>
<thead>
<tr>
<th>Course</th>
<th>Number of Courses</th>
<th>ECTS</th>
<th>Course</th>
<th>Number of Courses</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essay Writing</td>
<td>1 (C)</td>
<td>5</td>
<td>History</td>
<td>4 (4L)</td>
<td>20</td>
</tr>
<tr>
<td>Byzantine Philology</td>
<td>6 (2C+3L+1S)</td>
<td>34</td>
<td>Philosophy</td>
<td>2 (2L)</td>
<td>10</td>
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<td>Modern Greek Literature</td>
<td>13 (4C+7L+2S)</td>
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<td>Elective Courses</td>
<td>3 (3L)</td>
<td>15</td>
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<tr>
<td>Theory of Literature and Comparative Literature</td>
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<td>10</td>
<td>Foreign Language</td>
<td>2 (2L)</td>
<td>10</td>
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<tr>
<td>Linguistics</td>
<td>4 (1C+3L)</td>
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<td>Ancient Greek Philology</td>
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<td>Latin Philology</td>
<td>2 (1C+1L)</td>
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<td>L = Lecture Course</td>
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<td></td>
<td></td>
<td>S = Seminar</td>
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**TABLE II: DISTRIBUTION OF COURSE CODES**

**INTRODUCTORY COURSES (5 ECTS each)**
- BMG 100 Introduction to Byzantine Literature
- BMG 110 Introduction to Greek Paleography
- BMG 120 Introduction to Modern Greek Literature
- BMG 130 Introduction to the Theory of Literature
- BMG 141 Introduction to Modern Greek Metrics
- BMG 160 Essay Writing
- BMG 170 Landmarks in Modern Greek Literature
- LAS 150 Introduction to Theoretical Linguistics

**SPECIAL COURSE FOR FOURTH-YEAR STUDENTS (8 ECTS each)**
- BMG 435 Survey of Modern Greek Literature

**LECTURE COURSES IN BYZANTINE PHILOLOGY (5 ECTS each)**
- BMG 200-214 Early Byzantine Period (300-700 A.D.)
- BMG 215-229 Middle Byzantine Period (700-1200 A.D.)
- BMG 300-314 Late Byzantine Period (1200-1500 A.D.)
- BMG 315-329 General Topics
- BMG 346-361 Modern Prose
- BMG 362-377 Modern Poetry
- BMG 378-393 General Topics

**LECTURE COURSES IN THEORY OF LITERATURE AND COMPARATIVE LITERATURE (5 ECTS each)**
- BMG 294-299
- BMG 394-399

**LECTURE COURSES IN LINGUISTICS (5 ECTS each)**
- LAS 200-259 Theoretical Linguistics
- LAS 260-299 Other branches of Linguistics

**PHILOLOGY SEMINARS (9 ECTS each)**
- BMG 400-434 Byzantine Philology
- BMG 436-499 Modern Greek Literature, Theory of Literature, Comparative Literature

**ELECTIVE COURSES (5 ECTS each)**
- BMG 001-020 Byzantine Philology
- BMG 021-050 Modern Greek Literature
- BMG 051-074 Theory of Literature and Comparative Literature
- LAS 075-099 Linguistics
### TABLE III: PROGRAMME OF STUDY FOR THE FIRST FOUR SEMESTERS

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
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<td>1st</td>
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<td>Introduction to Byzantine Literature</td>
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<td></td>
<td>BMG 120</td>
<td>Introduction to Modern Greek Literature</td>
<td>5</td>
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<td>ENG 150</td>
<td>Introduction to Theoretical Linguistics</td>
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<td>ENG 160</td>
<td>Essay Writing</td>
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<td>AEF 101</td>
<td>Introduction to Classical Scholarship</td>
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<td>AEF 131</td>
<td>Ancient Greek Prose Composition</td>
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<td>2nd</td>
<td>BMG 110</td>
<td>Introduction to Greek Palaeography</td>
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<td>BMG 130</td>
<td>Introduction to the Theory of Literature</td>
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<tr>
<td></td>
<td>BMG 141</td>
<td>Introduction to Modern Greek Metrics</td>
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<td>BMG 170</td>
<td>Landmarks in Modern Greek Literature</td>
<td>5</td>
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<td></td>
<td>AEF 200-256</td>
<td>Course in Ancient Greek Philology</td>
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<td></td>
<td>HIS</td>
<td>Course in Ancient Greek or Byzantine History</td>
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<td>3rd</td>
<td>BMG 2../3..</td>
<td>Course in Byzantine Philology</td>
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<td>BMG 2../3..</td>
<td>Course in Modern Greek Literature</td>
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<td>LAT 195</td>
<td>Latin Prose Composition</td>
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<td>HIS</td>
<td>Course in Modern or Contemporary Greek History</td>
<td>5</td>
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<td>Foreign Language Course</td>
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<td>4th</td>
<td>BMG 2../3..</td>
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<td>BMG 2../3..</td>
<td>Course in Modern Greek Literature</td>
<td>5</td>
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<td>Course in Ancient Greek Philology</td>
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<td>LAT 267-299</td>
<td>Course in Latin Philosophy</td>
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<td>LAN</td>
<td>Foreign Language Course</td>
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<td>GRAND TOTAL</td>
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### TABLE IV: SET OF COURSES FOR THE 3rd AND 4th YEAR OF THE B.A. PROGRAMME IN BYZANTINE AND MODERN GREEK LANGUAGE AND LITERATURE

- BMG 200-229 and BMG 300-329: 1 Course in Byzantine Philology
- BMG 230-293 and BMG 330-393: 5 Courses in Modern Greek Literature
- BMG 294-299 and BMG 394-399: 1 Course in the Theory of Literature/Comparative Literature
- BMG 400-434: 1 Seminar in Byzantine Philology
- BMG 436-499: 2 Seminars in Modern Greek Literature
- BMG 435: Survey of Modern Greek Literature (in the 7th semester)
- LAS 200-299: 3 Linguistics Courses
- AEF 200-256: 2 Courses in Ancient Greek Philology
- HIS 1.-2.: 1 History Course
- PHIL 200-294: 1 Philosophy Course
- 3 Elective Courses

*Regarding the restrictions relevant to the selection of courses, see Structure and Organization of the programme of study.*

*It is recommended that students select one seminar per semester.*
TABLE V: MINOR PROGRAMME OF STUDY IN BYZANTINE
AND MODERN GREEK LANGUAGE AND LITERATURE

BMG 100 Introduction to Byzantine Literature
BMG 120 Introduction to Modern Greek Literature
BMG 130 Introduction to the Theory of Literature
BMG 170 Landmarks in Modern Greek Literature
LAS 150 Introduction to Theoretical Linguistics

2 Courses of Byzantine Philology
(without the restriction of one course per core area of Byzantine Literature)

3 Courses of Modern Greek Literature
(without the restriction of one course per core area of Modern Greek Literature)

1 Linguistics course

1 option
(from the remaining Compulsory Courses or Lecture Courses offered by the Department (i.e. a course in Byzantine Philology, Modern Greek Literature, Theory of Literature, Comparative Literature or Linguistics))

TABLE VI: SERVICE COURSES TO OTHER FACULTIES

Courses for the Department of Education (5 ECTS each)
BMG 090 Introduction to Modern Greek Literature
LAS 093 Introduction to Modern Greek Language

Course for the Modern Languages and European Studies Programme of the Department of French Studies and Modern Languages (5 ECTS)
BMG 075 The Languages of Europe

Courses for the Programme in Media Studies and Journalism of the Department of Social and Political Sciences
BMG 160 Essay Writing
BMG 390 History of Modern Greek Literature
LAS 290 Sociolinguistics
An option from BMG 230-299 or BMG 330-399
OBJECTIVES
The Department aims to generate and convey knowledge in the fields of Classical Antiquity (both Greek and Latin) and Philosophy.

The Department offers two programmes of study leading to the acquisition of two respective degrees:

a) Degree in Classics
b) Degree in Philosophy

The duration of studies is eight semesters. Programmes of study include compulsory courses in the essential areas of study, elective courses and foreign language courses. Graduates may pursue careers in public or private education, in cultural administration, in the public sector, or in the media. They may also wish to undertake postgraduate study with a view to further specialisation.

Apart from the above two programmes of study, the Department offers postgraduate courses in Classics as well as two Minors in Ancient Greek Philology and in Philosophy. The Department also offers introductory and specialisation courses for students in other departments of the Faculty of Letters as well as for students in other Faculties.

Research and international scholarly cooperation are highly prioritised at the Department of Classics and Philosophy. The Department’s connections with universities and research centres abroad contribute to its international reputation and promote mutual international exchange of students and academic staff.

PROGRAMME IN CLASSICS
The Programme in Classics aims to provide students with a sound philological background, which will allow them to undertake advanced studies in Classics or to pursue careers in Education and other sectors. More specifically, the Programme’s objectives are: to provide students with an excellent knowledge of Greek and Latin; to educate them on the methodology of classical scholarship; to further their acquaintance with a large corpus of classical texts as well as with the history of Greek and Latin literature and language. The programme includes courses on Byzantine and Modern Greek literature, and also aims to provide students with the necessary knowledge of History and Linguistics and to promote interdisciplinary study.
STRUCTURE OF THE PROGRAMME IN CLASSICS

The Programme in Classics consists of 44 courses (241 ECTS). (One ECTS corresponds to 25-30 hours of study by the student.) More specifically:

- 13 Courses in Ancient Greek Literature
- Eight Courses in Latin Literature
- One Course in Byzantine Literature (BMG 100) offered by the Department of Byzantine and Modern Greek Studies (BMG)
- Six Courses in Modern Greek Literature (from the courses offered by BMG)
- Four Courses in Linguistics (including LAS 150)
- Four Courses in History (from the courses offered by the Department of History and Archaeology)
- Two Courses in Philosophy
- Three Elective Courses
- Three Courses in a Foreign Language (from the courses offered by the Language Centre)

PROGRAMME IN PHILOSOPHY

The programme in Philosophy aims to provide such philosophic education as is required for the students to become acquainted with the wide variety of basic philosophical notions and principles as well as to become prepared for advanced study in Philosophy. Therefore, special emphasis is placed on the study of the history of philosophy (especially Greek philosophy), but there is also an emphasis on particular areas of modern and contemporary philosophy (ethics and political philosophy, philosophy of science, philosophy of mind) to promote critical thought and further broaden the students’ scholarly perspectives.

Furthermore, the programme includes a selection of ‘philological’ courses from all Departments of the Faculty of Letters which ensures that graduates possess a broad academic background enabling them to work in Secondary Education.

STRUCTURE OF THE PROGRAMME IN PHILOSOPHY

The programme in Philosophy consists of 44 courses (241 ECTS). More specifically:

- 18 Courses in Philosophy
- Six Courses in Ancient Greek Literature
- Three Courses in Latin Literature
- Three Courses in History (from the courses offered by the Department of History and Archaeology)
- One Course in Byzantine Literature (BMG 100) from those offered by the Department of Byzantine and Modern Greek Studies (BMG)
- Four Courses in Modern Greek Literature (from the courses offered by BMG)
- One Courses in Literary Theory (from the courses offered by BMG)
- Three Courses in a Foreign Language (from the courses offered by the Language Centre)
- Three Elective Courses
- One Course in Psychology (from the courses offered by the Department of Psychology)
- One Course in Sociology (from the courses offered by the Department of Social and Political Sciences)

COURSE DESCRIPTIONS

Classical Studies

AEF 101 Introduction to Classical Scholarship (5 ECTS)
Introduction to the object of study, methodology and history of classical scholarship. Special attention is given to the following areas:
- History of the transmission and criticism of ancient texts.
- Principles and methods of literary criticism from Antiquity to the modern era.
- Research tools: dictionaries, handbooks on grammar and syntax, bibliographical resources, electronic sources, etc.

AEF 103 Methodology of Classical Philology (5 ECTS)
Introduction to philological study and methodology with emphasis on practical exercise. Special emphasis on issues such as:
- Textual criticism and critical edition.
- Papyrology and Palaeography.
- Analysis and interpretation of the texts.
- Kinds of scholarly publications.
- Clues on how to do research and write scholarly essays.

AEF 131 Ancient Greek Prose Composition (6 ECTS)
Reading of selected passages from the work of Attic prose writers. The course focuses on topics like:
- Language and style of the texts.
- Textual criticism.
- Translation techniques.
A tutorial is offered as an integral part of the course.

AEF 202 Introduction to Ancient Greek Rhetoric (5 ECTS)
Introductory overview of the theory and practice of ancient Greek rhetoric, with emphasis on Attic oratory. Characteristic samples demonstrative of the main structural and stylistic features of rhetorical speech are examined.
- Principles and evolution of rhetoric in Antiquity.
- Rhetorical treatises, elements of ancient rhetoric theory.
- Attic oratory: principal representatives and their work.
- Analysis of selected speeches and passages with emphasis on matters of rhetorical style and technique.
Aim of the course is an introduction to Homer and to the problems of Homeric scholarship; also, familiarisation with the reading and the study of the Homeric text. Characteristic samples from the Homeric epics are analysed, and the following topics are discussed:
- Definition, description and evaluation of the Archaic period of ancient Greek literature.
- Historical, socio-political and literary conditions of the Archaic period. Epic - heroic epic.
- The poet.
- History of the transmission of the Homeric text.
- The language of the Homeric epic – elements of metrics.
- The Homeric problem.

Introductory overview of classical historiography with emphasis on the work of its three chief representatives. Other issues, like the birth of Greek historical thought, the origins of historiography, the first representatives and the main features of their work are discussed. Selected passages from the work of Herodotus, Thucydides and Xenophon are analysed (linguistic and historical sources). Byzantine era. The formation of modern Greek dialects.

The course offers a systematic introduction to Roman epic and, more specifically, to the Aeneid. The structure and content of the text, the political and cultural contexts of the era. Philological and historical interpretation of a selected work, where issues of style, narrative techniques, objectivity and impartiality, political interests and historical thought are principally investigated.

The course covers:
- V ergil's literary models.
- the association of a poetical and metapoetical approach to the text with narratology, structure and content, and also with the political and cultural contexts of the era.
- V ergil's literary models.

AGL 445-470 Linguistics Seminar (5 ECTS)
Form and structure of different categories of words in Ancient Greek (articles, pronouns, nouns, adjectives, verbs, etc.). Inflection, word-formation, paradigms, derivation and compounds, stress changes, etc.

LAT 195 Latin Prose Composition (5 ECTS)
Linguistic, syntactic and stylistic exercises on Latin prose, based on selected passages of Latin literature. Parallel examination of certain poetic texts as well.

LAT 272 Latin Oratory (Cicero) (5 ECTS)
Brief introduction to classical oratory, oratory as a literary genre, kinds and structure of rhetorical speech. Oratory in Rome, its evolution and principal representatives. The political and literary quality of Cicero and his historical and political milieu. Selected passages from one or more speeches of Cicero are analysed with special emphasis on rhetorical and stylistic issues of the text, the structure and effectiveness of argumentation, the writer's political thought and the reconstruction of various aspects of contemporary political and social life.

LAT 274 Latin Prose (5 ECTS)
Analysis of a text, preferably from Roman Historiography or Biography. Main features of Roman Historiography and Biography, the interrelation of these two literary genres, their origins and evolution. Introduction to the writer under discussion and his era. Philological and historical interpretation of a selected work, where issues of style, narrative techniques, objectivity and impartiality, political interests and historical thought are principally investigated.

LAT 276 Vergil, Aeneid (5 ECTS)
The course offers a systematic introduction to Roman epic and, more specifically, to the Aeneid. The structure and content of the lectures aim:
a) to familiarise students with the classical Latin language.
b) to offer a detailed introduction to certain critical, historical and cultural elements that underline the composition of Latin epic. Issues discussed include:
- the correlation of myth, history, and politics in Latin epic.
- the association of a poetical and metapoetical approach to the text with narratology, structure and content, and also with the political and cultural contexts of the era.
- V ergil's literary models.
Philo 101 Introduction to Philosophy (5 ECTS)
- Term, beginning and definition of Philosophy.
- The relation of Philosophy to art, religion and science.
- Ontology: Being, non-Being, becoming. The four causes of Being. The ten categories of being in Aristotle. Substance and accident.

Philo 102 Ancient Greek Philosophy (5 ECTS)
The aim of the course is to acquaint students with philosophical language and the most important stages of ancient Greek philosophical thought: Presocratics, the Sophists, Plato, Aristotle, Hellenistic philosophy, Neo-Platonism. Our primary target will be to explore the different models and standards of rationality that are raised in both theoretical and practical quests of Greek philosophy. Emphasis will be placed on the original texts and their interpretation, avoiding the repetition of secondary bibliography.

Philo 103 Modern European Philosophy (5 ECTS)
Students will be introduced to some of the major thinkers in the tradition of modern European Philosophy, including Bacon, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, Hegel, Nietzsche, Husserl. Study of texts by these thinkers will enable students to gain a critical understanding of some of the main issues in their philosophies. Students will develop an awareness of the major philosophical problems associated with the notion of modernity.

Philo 104 Logic (5 ECTS)
Introduction to propositional logic, and the basic concepts (attributes of sentences, consistency of sets of sentences, validity of inferences) and distinctions of Logic. Truth-functional logic will be developed and the structure of compound propositions and arguments will be analysed. The course will focus on translation of natural language to propositional language and the use of semantic trees for determining truth-functional validity, consistency, etc.

Philo 176 Applied Ethics (5 ECTS)
The aim of this series of lectures is to show that moral philosophy in conjunction with meta-ethics can contribute to a better understanding and even the solution of practical problems, for instance, those of minorities, starvation, the destruction of the environment, animal rights, organ transplantsations and genetic engineering; or even issues such as death, euthanasia, abortion, infanticide, equality between the two sexes, capital punishment, war, nuclear weapons.
## CONTENT OF PROGRAMME IN CLASSICS

### A. BACKGROUND COURSES
1. Introduction to Classical Scholarship
2. Ancient Greek and Latin Language (reading courses)
3. Ancient Greek and Latin Metre
4. Papyrology
5. Palaeography and Textual Criticism
6. History of the Greek Language
7. History of Latin Literature
8. Latin Language and Grammar
9. General Linguistics

### B. SUBJECT AREAS
1. **Ancient Greek Literature**
   - Epic, archaic lyric, drama, historiography, philosophy, rhetoric, science, Hellenistic poetry, literary theory, novel, essay writing, Second Sophistic, poetry in Late Antiquity.

2. **Latin Literature**
   - Epic, lyric, drama, satire, historiography, philosophy, rhetoric, novel, medieval Latin.

3. **Linguistics**
   - Indo-European languages, the Pre-Hellenic linguistic substratum, Linear B and Mycenaean Greek, Cypriot syllabary, alphabets and Greek dialects of the 1st millennium B.C., the Koine during the Hellenistic and Roman periods, Atticism, Greek in Late Antiquity.

### ANALYTICAL PROGRAMME OF STUDIES IN CLASSICS (MAJOR)

#### 1st Semester
- AEF 101 Introduction to Classical Scholarship: 5 credits
- AEF 131 Ancient Greek Prose Composition: 6 credits
- LAT 195 Latin Prose Composition: 5 credits
- BMG 120 Introduction to Modern Greek Literature: 5 credits
- BMG 100 Introduction to Byzantine Literature: 5 credits
- LAS 150 Introduction to Theoretical Linguistics: 5 credits

**TOTAL: 31 credits**

#### 2nd Semester
- AEF 103 Methodology of Classical Philology: 5 credits
- AEF 202 Introduction to Ancient Greek Rhetoric: 5 credits
- AEF 217 Introduction to Ancient Drama: 5 credits
- LAT 272 Latin Oratory (Cicero): 5 credits
- HIS 144 Introduction to Ancient History: 5 credits
- LAN I Foreign Language, from Language Centre: 5 credits

**TOTAL: 30 credits**

#### 3rd Semester
- AEF 210 Homer: 5 credits
- AEF 243 Ancient Greek Historiography: 5 credits
- LAT 276 Vergil, Aeneid: 5 credits
- AGL 263 Historical Linguistics I: 5 credits
- HIS/ARC (Ancient History or Class. Archaeology course): 5 credits
- LAN II Foreign Language, from Language Centre: 5 credits

**TOTAL: 30 credits**

#### 4th Semester
- AEF 214 Lyric Poetry: 5 credits
- PHIL XXX Philosophy Course: 5 credits
- LAT 274 Latin Prose: 5 credits
- AGL 369 Historical Linguistics II: 5 credits
- HIS (Roman History): 5 credits
- BMG XXX (Modern Greek Literature): 5 credits

**TOTAL: 30 credits**

#### 5th Semester
- AEF XXX Ancient Greek Literature Course: 5 credits
- LAN III Foreign Language from Language Centre: 5 credits
- LAT XXX Latin Literature Course: 5 credits
- AGL 4... (Seminar): 10 credits
- BMG XXX (Modern Greek Literature): 5 credits

**TOTAL: 30 credits**

#### 6th Semester
- AEF/LAT (Seminar): 10 credits
- AEF XXX Ancient Greek Literature: 5 credits
- BMG XXX (Modern Greek Literature): 5 credits
- LAT XXX Latin Literature Course: 5 credits
- HIS (History course of optional subject): 5 credits

**TOTAL: 30 credits**

#### 7th Semester
- AEF XXX Ancient Greek Literature: 5 credits
- BMG XXX (Modern Greek Literature): 5 credits
- LAT/AF (Seminar): 10 credits
- PHIL XXX Philosophy Course: 5 credits
- Free Elective Course: 5 credits

**TOTAL: 30 credits**

#### 8th Semester
- AEF/LAT (Seminar): 10 credits
- LAT XXX Latin Literature Course: 5 credits
- Free Elective Course: 5 credits
- Free Elective Course: 5 credits
- BMG XXX (Modern Greek Literature): 5 credits

**TOTAL: 30 credits**

**GRAND TOTAL: 241 credits**

**Notes:**
1. The distribution of courses for the 5th to 8th semester is indicative, on condition that students take one seminar per semester.
2. When the course number is not specified, students may choose from among the courses offered in the Department. Courses in Modern Greek Literature should not be chosen from among those with code BMG 0...
3. Students must attend two level-300 courses in Ancient Greek and two level-300 courses in Latin.
4. No student may attend a seminar course without having already successfully completed a level-300 course in the same subject.
5. The three seminars in the Ancient Languages can be distributed either as two in Ancient Greek Literature with one in Latin Literature or as one in Ancient Greek Literature with two in Latin Literature.
6. Free elective courses may not be chosen from the student’s own Department (i.e. Classics & Philosophy)

**Codes:**
- AEF = Ancient Greek Literature
- LAT = Latin Literature
- LAN = Foreign Language
- AGL = Historical Linguistics
- PHIL = Philosophy
- HIS = History
- ARC = Archaeology
- BMG = Byzantine and Modern Greek Studies
- LAS = Language Sciences
A. INTRODUCTORY COURSES
1. AEF 101 Introduction to Classical Scholarship
2. AEF 131 Ancient Greek Prose Composition
3. LAT 195 Latin Prose Composition
4. AGL 263 Historical Linguistics I
TOTAL: 16 ECTS

Note:
Courses AEF 101 and AEF 131 are prerequisites to the main structure courses (B1-8). Course AGL 263 can be replaced with course LAT 195 as prerequisite for one of the courses LAT 270-299: Latin Literature (see C below).

B. MAIN STRUCTURE COURSES
Five courses in Ancient Greek Literature from different subject areas:
1. AEF 206-210 Archaic Epic
2. AEF 211-216 Archaic Lyric Poetry
3. AEF 217-230 Drama
4. AEF 231-234 Hellenistic Poetry
5. AEF 235-240 Philosophy
6. AEF 243-247 Historiography
7. AEF 248-251 Rhetoric
8. AEF 241-242, 252-253, 254-256 (other fields)

One of the five courses can be selected from:
9. General Courses in Classical Civilization
   AEF 500 Introduction to Ancient Greek Literature
   AEF 501-510 Religion and Mythology
   AEF 511-529 Topics in Ancient Greek Literature
   AEF 530-539 Public and Private Life
   AEF 540-549 Classical Antiquity: Survivals
   LAT 580-599 Topics in Latin Literature
TOTAL: 25 ECTS

C. GENERAL COURSES
1. Introduction to Ancient History (from the Department of History and Archaeology)
2. One course from the following categories:
   AEF 200-203 History of Ancient Greek Literature
   AEF 204-205 Translation/Greek Literature in Translation
   LAT 267-269 History of Latin Literature
   LAT 270-299 Latin Literature
   AGL 560-569 Topics in Greek Linguistics
– Main Structure courses (B 1-8, in a subject area from which no other course has been chosen)
– General courses of Classical Civilization (B 9, in an area from which no other course has been chosen)
– Prehistoric or Classical Archaeology (offered by the Department of History and Archaeology)
– History of Ancient Greek Political Thought
TOTAL: 10 ECTS
### ANALYTICAL PROGRAMME IN PHILOSOPHY (MAJOR)

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<td>PHIL 200-299 History of Philosophy</td>
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<td>AEF 200-259 Ancient Greek Literature Course</td>
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<td>PHIL 176 Applied Ethics</td>
<td>5</td>
<td>BMG 120 Introduction to Modern Greek Literature</td>
<td>5</td>
<td>LAT 267-299 Latin Literature Course</td>
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<tr>
<td>AEF 101 Introduction to Classical Scholarship</td>
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<td>HIS 181 Introduction to Modern European History (1789-1918)</td>
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<td>AEF 131 Ancient Greek Prose Composition</td>
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<td><strong>2nd Semester</strong></td>
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<td><strong>6th Semester</strong></td>
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<td>PHIL 103 Modern European Philosophy</td>
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<td>PHIL 3.. Systematic Philosophy Course</td>
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<td>PHIL 104 Logic</td>
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<td>LAT 195 Latin Prose Composition</td>
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<td>HIS 144 Introduction to Ancient History</td>
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<td><strong>4th Semester</strong></td>
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<td><strong>7th Semester</strong></td>
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<td>BMG 130 Introduction to the Theory of Literature</td>
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<td>Free Elective Course</td>
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<td>LAN III Foreign Language, from Language Centre</td>
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<td>SPS XXX Sociology Course</td>
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<td><strong>5th Semester</strong></td>
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<td>HIS 181 Introduction to Modern European History (1789-1918)</td>
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<td>SPS XXX Sociology Course</td>
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<td>5</td>
<td>TOTAL</td>
<td>30</td>
<td>GRAND TOTAL</td>
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**Notes:**

1) Upon permission of the Academic Advisor, courses AEF 200-259 and LAT 267-299 can be replaced with 300-level courses.
2) The distribution of courses for the 5th - 8th semesters is merely indicative.
3) When the course number is not specified, students may choose from among the courses offered in the Department. Courses in Modern Greek Literature should not be chosen from among those with code BMG 0.. .
4) Free Elective Courses may not be chosen from the student’s own Department (i.e. Classics & Philosophy)
5) For the subject areas of Philosophy courses see p. 159.

**Codes:**

AEF = Ancient Greek Literature, LAT = Latin Literature, LAN = Foreign Language, PHIL = Philosophy, HIS = History, SPS= Social and Political Sciences, BMG = Byzantine and Modern Greek Studies, PSY = Psychology
### CONTENT OF PROGRAMME IN PHILOSOPHY

**A. BACKGROUND COURSES (5 ECTS each)**
- PHIL 101 Introduction to Philosophy
- PHIL 102 Ancient Greek Philosophy
- PHIL 103 Modern European Philosophy
- PHIL 104 Logic
- PHIL 176 Applied Ethics

**B. HISTORY OF PHILOSOPHY (5 ECTS each)**
- PHIL 200-239 Ancient Greek Philosophy
- PHIL 240-244 Medieval Philosophy
- PHIL 245-249 Byzantine and Modern Greek Philosophy
- PHIL 250-269 Modern European Philosophy
- PHIL 270-294 Contemporary Philosophy

**C. SYSTEMATIC PHILOSOPHY (5 ECTS each)**
- PHIL 300-309 Ontology - Metaphysics
- PHIL 310-324 Ethics
- PHIL 325-339 Political and Social Philosophy
- PHIL 340-349 Theory of Knowledge
- PHIL 350-354 Aesthetics and Philosophy of Art
- PHIL 355-359 Logic
- PHIL 360-364 Epistemology
- PHIL 365-369 Analytical Philosophy
- PHIL 370-374 Philosophy of Language
- PHIL 375-379 Philosophical Anthropology
- PHIL 380-384 Philosophical Hermeneutics
- PHIL 385-389 Philosophy of Law
- PHIL 390-394 Philosophy of History

**D. SEMINARS (10 ECTS each)**
- PHIL 400-409 Ontology - Metaphysics
- PHIL 410-424 Ethics
- PHIL 425-439 Political and Social Philosophy
- PHIL 440-449 Theory of Knowledge
- PHIL 450-454 Aesthetics and Philosophy of Art
- PHIL 455-459 Logic
- PHIL 460-464 Epistemology
- PHIL 465-469 Analytical Philosophy
- PHIL 470-474 Philosophy of Language
- PHIL 475-479 Philosophical Anthropology
- PHIL 480-484 Philosophical Hermeneutics
- PHIL 485-489 Philosophy of Law
- PHIL 490-494 Philosophy of History

**Note:**
1. Successful completion of 4 200 level courses from at least 3 different areas is necessary.
2. Successful completion of 5 300 level courses from 5 different areas is necessary.
3. Successful completion of 4 seminars from at least 3 different areas is necessary.

### PROGRAMME IN PHILOSOPHY (MINOR)

**A. Four Compulsory Basic Structure Courses (20 ECTS)**
- PHIL 101 Introduction to Philosophy
- PHIL 102 Ancient Greek Philosophy
- PHIL 103 Modern European Philosophy
- PHIL 104 Logic

**B. Two courses from different subject areas in History of Philosophy (10 ECTS)**
- PHIL 200-299

**C. Three courses from different subject areas in Systematic Philosophy (15 ECTS)**
- PHIL 300-399

**D. One Seminar (10 ECTS)**
- PHIL 400-454

**TOTAL: 55 ECTS**
OBJECTIVES OF THE DEPARTMENT

The Department of History and Archaeology works towards the promotion of knowledge and research in the disciplines of History and Archaeology. Its chief activities are teaching (both at undergraduate and postgraduate levels) and research. Research is carried out at postgraduate and faculty level. In the field of Archaeology, the Archaeological Research Unit (A.R.U.) also operates actively. The A.R.U. was founded in 1992 and in 1996 became part of the Department of History and Archaeology. The Unit covers all the archaeological activity of the Department that concerns Cyprus and is responsible for the relevant or related postgraduate courses. It offers a full study programme for the undergraduates of the Department, as well as elective courses for students of other departments. These include courses taught by members of the Unit that cover all aspects of Cypriot Archaeology, examined in relation to the cultures of neighbouring regions.

The Department offers a joint degree in History and Archaeology with a specialisation either in History or Archaeology. The degree allows our graduates to seek employment in a large number of sectors, bodies and institutions, such as Secondary Education, the archaeological service, the diplomatic service, research centres, archives, cultural foundations, museums, galleries, etc.

The programme of studies of the Department aims at the scholarly preparation of the students in the two disciplines, and functions in close relationship with the other two departments of the Faculty of Letters, as well as with departments of other faculties of the University. This offers students of the Department of History and Archaeology the opportunity to acquire the knowledge and skills necessary to teach in secondary education, if they so desire. The programme also prepares students to pursue studies at a postgraduate level. Those students who wish to follow a career in History or Archaeology acquire the necessary practical training during the course of their studies.

CHAIRPERSON
George Papasavvas

VICE-CHAIRPERSON
Petros Papapolyviou

PROFESSORS
Maria Iacovou
Vasiliki Kassianidou
Demetrios Michaelides
Chris Schabel

ASSOCIATE PROFESSORS
Alexander Beihammer
Giorgos Georgis
Maria Kantirea
Georghios Kazamias
Theodoros Mavrogiannis
Petros Papapolyviou
Georghios Papasavvas

ASSISTANT PROFESSORS
Stella Demesticha
Ourania Kouka
Aggel Nicolaou-Konnari
Maria Parani
Athanasios Vionis

LECTURERS
Anna-Anastasia Constantinidou
Michalis Olympios
STRUCTURE OF THE PROGRAMME OF STUDIES

At the beginning of their studies, students follow a common syllabus for the first three semesters. Upon completion of the third semester, students choose to specialise in either History or Archaeology. Thus, the degrees offered by the Department are (a) Degree of the Department of History and Archaeology, with specialisation in History, or (b) Degree of the Department of History and Archaeology, with a specialisation in Archaeology.

Level-100 courses are introductory courses. They are compulsory for the students of the Department; they are also open to students of other departments of the University as elective courses.

Level-200 courses have as prerequisites the corresponding level-100 courses. The students of the Department of History and Archaeology must choose from these in order to complete their programme of studies. Students of other departments may also select them as elective courses, provided they have already successfully attended the corresponding level-100 course (or have the permission of the instructor). The Department also organises level-200 elective training courses in History and Archaeology.

Level-300 courses offered by the Department are seminars and have as prerequisites the equivalent level-200 courses. They are open to students of the Department who have successfully completed the fifth semester of their studies. Students must take three seminars in the specialisation they have selected. The Department will not approve changes to the programme of studies or the timetable.

SPECIALISATION IN HISTORY

The programme of studies for the degree with a specialisation in History comprises 45 courses, structured as follows:

<table>
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<tr>
<th>ECTS</th>
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<tr>
<td>60</td>
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<tr>
<td>65</td>
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</table>

- Six Introductory Level-100 Courses in History (Compulsory)
- Six Introductory Level-100 Courses in Archaeology (Compulsory)
- 13 Level-200 Courses in History distributed among the following thematic areas (Compulsory):
  - Ancient History (2)
  - Byzantine History (2)
  - Medieval History (2)
  - Early Modern and Modern Greek History (2)
  - Early Modern and Modern European History (2)
  - Contemporary Greek History (2)
  - Post-war World (1)
  - Ancient History (2)
  - Byzantine History (2)
  - Medieval History (2)
  - Early Modern and Modern Greek History (2)
  - Early Modern and Modern European History (2)
  - Contemporary Greek History (2)
  - Post-war World (1)

- Two Level-200 Elective Courses offered by the Department in History or Archaeology
- Three Level-300 Courses (Seminars) in History
- Three Courses in Ancient Greek Philology
- Two Courses in Latin Philology
- One Course in Byzantine Philology
- Two Courses in Modern Greek Philology
- Four Elective Courses
- Three Courses in Foreign Language(s)

TOTAL 240

SPECIALISATION IN ARCHAEOLOGY

The programme of studies for the degree with a specialisation in Archaeology comprises 45 courses, structured as follows:

<table>
<thead>
<tr>
<th>ECTS</th>
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<tbody>
<tr>
<td>60</td>
<td></td>
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<tr>
<td>30</td>
<td></td>
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<tr>
<td>55</td>
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</tr>
</tbody>
</table>

- Six Introductory Level-100 Courses in History (Compulsory)
- Six Introductory Level-100 Courses in Archaeology (Compulsory)
- 11 Level-200 Courses in Archaeology distributed among the following thematic areas (Compulsory):
  - Prehistoric and Protohistoric Archaeology (2)
  - Classical Archaeology (Sculpture, Vase painting or Monumental painting and Architecture) (3)
  - Byzantine Archaeology (2)
  - Byzantine Archaeology or History of Art: Middle Ages, Renaissance, Baroque (1)
  - Material Culture of Modern Times (1)
  - Introduction to Environmental Archaeology (1)
  - Archaeometry (1)
  - Introduction to the History of Western Art (4th-18th century) (1)
  - Introduction to Maritime Archaeology (1)

- Three Level-200 Elective Courses offered by the Department in History or Archaeology
- Three Level-300 Courses (Seminars) in Archaeology
- Three Courses in Ancient Greek Philology
- Two Courses in Latin Philology
- One Course in Byzantine Philology
- Two Courses in Modern Greek Philology
- Three Elective Courses
- Three Courses in Foreign Language(s)

TOTAL 240
MINOR DEGREE IN HISTORY
For a minor degree in History, students must successfully complete 11 courses (60 ECTS). The courses required are the following:

A. Five Compulsory Introductory Level-100 Courses (25 ECTS)
   HIS 108 Introduction to Modern Greek History
   HIS 112 Introduction to Byzantine History
   HIS 134 Introduction to Medieval Western History
   HIS 144 Introduction to Ancient History
   HIS 181 Introduction to European History (1789-1918)

B. Five Level-200 Courses (25 ECTS), from those offered every semester by the Department of History and Archaeology (see Table II).
C. One Level-300 Seminar (10 ECTS), from those offered every semester by the Department of History and Archaeology (see Table II).

MINOR DEGREE IN ARCHAEOLOGY
For a minor degree in Archaeology students must successfully complete 11 courses (60 ECTS). The courses required are the following:

A. Five Compulsory Introductory Level-100 Courses (25 ECTS)
   ARC 118 Introduction to the Mediterranean Bronze Age Cultures
   ARC 123 Introduction to Classical Archaeology I (Geometric – Classical period)
   ARC 132 Introduction to Byzantine Art and Archaeology
   ARC 140 Introduction to Folk Art- Traditional Craftsmen
   ARC 141 Introduction to Environmental Archaeology

B. Five Level-200 Courses (25 ECTS), from those offered every semester by the Department of History and Archaeology (see Table II).
C. One Level-300 Seminar (10 ECTS), from those offered every semester by the Department of History and Archaeology (see Table II).

ADMISSION, CONDITIONS FOR ADMISSION, SELECTION
Fifteen students are admitted to each minor degree programme every year. Students may register in the programme during the third or the fifth semester of their main studies. Application and registration take place during the fall semester. The minor degree begins in the spring semester of each academic year. Courses in History (for the minor degree in History) and courses in Archaeology (for the minor degree in Archaeology) that the students may have already passed during their main programme of studies will be recognised as part of the minor degree.

Criteria for selection are the student's academic record (minimum grade 7/10) and the consent of the Chairs of the two relevant Departments.

COURSE DESCRIPTIONS
FALL SEMESTER 2014-2016

HIS 105 Introduction to Historical Studies, Methodology and Philology of History (5 ECTS)
General theoretical issues. The formation of historiographic tradition (before historiography, birth and development of historiography from the beginning until the mid-19th century, formation of the modern science of history and methodology, new trends, interdisciplinarity of contemporary historiography). Writing history (preparation, collection, archiving and processing historical material, analysis of historical data, synthesis).

HIS 108 Introduction to Modern Greek History (5 ECTS)
Introduction to modern Greek historiography and a brief view of modern and contemporary Greek history from Ottoman rule to the fall of the dictatorship in Greece and the Turkish invasion of Cyprus. A survey that examines the historical sequence of events, the development of political and state institutions, and social and political changes.

HIS 134 Introduction to Medieval History (5 ECTS)
Basic chronological survey of the main events and currents in the West from the decline and fall of the Western Roman Empire to the Protestant Reformation. Students take a midterm examination that covers the Early Middle Ages (until 1000) and the High Middle Ages until 1191. The final examination stresses the second half of the High Middle Ages (1191-1300) and the Late Middle Ages (1300-1525). Students also write a paper analyzing a recent scholarly article.

HIS 144 Introduction to Ancient History (5 ECTS)
Greek and Roman History from the "Dark Ages" to the Late Roman Empire. The course is divided into three main parts:
   a) Consideration of the available sources.
   b) Ancient Greek History: From the end of the Mycenaean Period to the end of the Hellenistic Period.
   c) Roman History: From the 8th century BC to the end of Late Antiquity.

HIS 181 Introduction to Modern European History (1789-1918) (5 ECTS)
This is an introductory, "broad brush" survey of the history (mainly political) of Europe from the French Revolution to the end of the First World War. Themes that are developed in the course include: The French Revolution – Napoleonic Europe – The Congress of Vienna – The Revolutions of 1830 and 1848 – Napoleon III – The Eastern Question - The unifications of Italy and Germany – the scramble for Empire – the origins of the First World War – the outbreak and the course of First World War – the Russian Revolution – the end of the War.
ARC 117 Introduction to Prehistory (5 ECTS)
The course will introduce students to the Prehistory of the Eastern Mediterranean. The chronological periods which will be covered are the Neolithic and the Chalcolithic, as well as questions relating to the transition to the Bronze Age. The course will focus on issues such as the way of life in these first farming communities, architecture, burial customs and technology. As an integral part of the course there will be visits to the Archaeological Museum of Nicosia as well as archaeological sites of this period.

ARC 123 Introduction to Classical Archaeology I (Geometric-Classical Periods) (5 ECTS)
The course examines the period from 1100-330 BC, i.e., it comprises the Geometric, Archaic and Classical eras. It presents the specific character of each period and analyses its achievements. It is based on a presentation of representative monuments of each period and on the analysis of works of sculpture, vase painting, architecture and metalworking. Furthermore, it investigates phenomena such as the appearance of myths in Greek art, the establishment of the human figure at the centre of artistic representation, and the quests that led to the genesis of monumental sculpture and Greek temples.

ARC 132 Introduction to Byzantine Art and Archaeology (5 ECTS)
This course aims to introduce students to Byzantine material culture and secular and religious art from the 4th century to the fall of the Byzantine Empire in A.D. 1453. It is structured as a survey of representative works of art from various artistic media, including architecture, sculpture, monumental painting (mosaics and frescoes), illuminated manuscripts, panel icons, and the minor arts. One of the main objectives of this course is highlighting the diversity and the salient characteristics of artistic expression in Byzantium, as well as investigating the role that art played in the lives of the Byzantines, both in the private and public spheres.

ARC 140 Introduction to Folk Art-Traditional Craftsmen (5 ECTS)
Introduction:
Definition of Folk Culture, Folk/Traditional Art, Folklore, Ethnology, Ethnography, Cultural Anthropology, etc.
- Ethnography - Folklore in its modern perspective.
- Survey of research.
- Methods, sources and importance of Folk Art.
- The role of Ethnographic Museums.
- Historical background.
- Socio-economic conditions.
Traditional Craftsmen:
- Methods of recording traditional crafts.
- Processing of raw materials.

SPRING SEMESTER 2014-2016

HIS 112 Introduction to Byzantine History (5 ECTS)
The course aims to provide students with the basic knowledge of Byzantine history from the early period until 1453. Special emphasis will be placed on the chronological facts of each period, the role and function of the institutions of the Byzantine Empire as well as the peculiar features of Byzantine society within the limits of the medieval world. Moreover, the endogenous and exogenous factors which were decisive for the formation of political and religious powers will be analysed.

ARC 150 Introduction to the History of Western Art (4th-18th c.) (3 ECTS)
An overview of western European art from late antiquity to Rococo. Discussion will focus on representative works of architecture, sculpture, painting and the minor arts from each individual period (Early Christian, Early Medieval, Romanesque, Gothic, Renaissance, Mannerism, Baroque and Rococo). The course aims to familiarise students with issues of periodisation and current methodological approaches to the examination and analysis of works of art.

FALL SEMESTER 2014-2016

ARC 118 Introduction to the Mediterranean Bronze Age Cultures (5 ECTS)
Introductory course on the archaeology of the Mediterranean cultures during the Bronze Age. The geographical co-ordinates of the course are defined by the Greek peninsula to the west and by the Syro-Palestinian coast to the east. Although the emphasis is placed upon the development of the Aegean Bronze Age cultures - the Trojan, the Cycladic, the Helladic and the Minoan - an elementary introduction is also provided for the Egyptian, the Canaanite and the Cypriote Bronze Age cultures in the Eastern Mediterranean.

ARC 124 Introduction to Classical Archaeology II (Hellenistic and Roman Periods) (5 ECTS)
General survey of the Hellenistic and Roman world: Hellenistic Kingdoms (323-30 BC), early Rome (264-30 BC) and the Roman Empire (27 BC-4th cent. A.D.). Main stages of development and characteristics of the two periods. Presentation and analysis of key monuments and works of art.

ARC 141 Introduction to Environmental Archaeology (5 ECTS)
Environmental archaeology studies the morphology of the ground, plant, animal and even human remains, relics of ancient agricultural activities, and other issues relating to the ancient environment. The study of all these enables us to reconstruct the ancient environment. With environmental archaeology we learn about the whole of human life in the past. The course will introduce students to the various fields of environmental archaeology (geoarchaeology, archaeobotany, zooarchaeology and palaeopathology) and the methods applied in each of these for the study of ancient environmental remains.
# TABLE I: ANALYTICAL PROGRAMME OF STUDIES
## FOR THE FIRST FOUR SEMESTERS

### 1st Semester

<table>
<thead>
<tr>
<th>Fall Semester 2014-2016</th>
<th>ECTS</th>
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</thead>
<tbody>
<tr>
<td>ARC 117 Introduction to Prehistory</td>
<td>5</td>
</tr>
<tr>
<td>ARC 123 Introduction to Classical Archaeology I (Geometric - Classical period)</td>
<td>5</td>
</tr>
<tr>
<td>HIS 108 Introduction to Modern Greek History</td>
<td>5</td>
</tr>
<tr>
<td>HIS 144 Introduction to Ancient History</td>
<td>5</td>
</tr>
<tr>
<td>BMG 100 Reading Byzantine Texts</td>
<td>5</td>
</tr>
<tr>
<td>BMG 120 Introduction to Modern Greek Philology</td>
<td>5</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>30</strong></td>
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<table>
<thead>
<tr>
<th>2nd Semester</th>
<th>ECTS</th>
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</thead>
<tbody>
<tr>
<td><strong>Spring Semester 2014-2016</strong></td>
<td></td>
</tr>
<tr>
<td>ARC 118 Introduction to the Mediterranean Bronze Age Cultures</td>
<td>5</td>
</tr>
<tr>
<td>ARC 124 Introduction to Classical Archaeology II (Hellenistic and Roman periods)</td>
<td>5</td>
</tr>
<tr>
<td>HIS 112 Introduction to Byzantine History</td>
<td>5</td>
</tr>
<tr>
<td>AEF 131 Ancient Greek Prose Composition</td>
<td>6</td>
</tr>
<tr>
<td>LAT 195 Latin Prose Composition</td>
<td>5</td>
</tr>
<tr>
<td>BMG One course in Modern Greek Philology</td>
<td>5</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>31</strong></td>
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</tbody>
</table>

### 3rd Semester

<table>
<thead>
<tr>
<th>Fall Semester 2014-2016</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 132 Introduction to Byzantine Art and Archaeology</td>
<td>5</td>
</tr>
<tr>
<td>ARC 140 Introduction to Folk Art – Traditional Craftsmen</td>
<td>5</td>
</tr>
<tr>
<td>HIS 105 Introduction to Historical Studies, Philosophy and Methodology of History</td>
<td>5</td>
</tr>
<tr>
<td>HIS 134 Introduction to the History of the Medieval West</td>
<td>5</td>
</tr>
<tr>
<td>HIS 181 Introduction to Modern European History</td>
<td>5</td>
</tr>
<tr>
<td>AEF One course in Ancient Greek Philology</td>
<td>5</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>30</strong></td>
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</tbody>
</table>

### 4th Semester

<table>
<thead>
<tr>
<th>Spring Semester 2014-2016</th>
<th>ECTS</th>
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</thead>
<tbody>
<tr>
<td><strong>For students specialising in Archaeology:</strong></td>
<td></td>
</tr>
<tr>
<td>ARC 141 Introduction to Environmental Archaeology</td>
<td>5</td>
</tr>
<tr>
<td>ARC 150 Introduction to the History of Western Art (4th-18th century)</td>
<td>5</td>
</tr>
<tr>
<td>ARC 180 Introduction to Maritime Archaeology</td>
<td>5</td>
</tr>
<tr>
<td>AEF One course in Ancient Greek Philology</td>
<td>5</td>
</tr>
<tr>
<td>LAT One course in Latin Philology</td>
<td>5</td>
</tr>
<tr>
<td>BMG One course in Modern Greek Philology</td>
<td>5</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

| **For students specialising in History:** | |
| HIS | 5 |
| HIS | 5 |
| AEF One course in Ancient Greek Philology | 5 |
| LAT One course in Latin Philology | 5 |
| BMG One course in Modern Greek Philology | 5 |
| **TOTAL** | **30** |

**Note:**

*Students of the Department must have completed ALL Compulsory Courses from the Departments of History and Archaeology, Classics and Philosophy and Byzantine and Modern Greek Studies by the 4th Semester of their studies.*
### TABLE II: COURSES OFFERED DURING THE ACADEMIC YEAR 2014-2016

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>ECTS</th>
<th>Spring Semester</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 117  Introduction to Prehistory</td>
<td>5</td>
<td>HIS 112  Introduction to Byzantine History</td>
<td>5</td>
</tr>
<tr>
<td>ARC 123  Introduction to Classical Archaeology I</td>
<td>5</td>
<td>ARC 118  Introduction to the Mediterranean Bronze</td>
<td>5</td>
</tr>
<tr>
<td>(Geometric – Classical period)</td>
<td></td>
<td>Age Cultures</td>
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</tr>
<tr>
<td>ARC 132  Introduction to Byzantine Art and</td>
<td>5</td>
<td>ARC 124  Introduction to Classical Archaeology II</td>
<td>5</td>
</tr>
<tr>
<td>Archaeology</td>
<td></td>
<td>(Hellenistic and Roman Periods)</td>
<td></td>
</tr>
<tr>
<td>ARC 140  Introduction to Folk Art-Traditional</td>
<td>5</td>
<td>ARC 141  Introduction to Environmental Archaeology</td>
<td>5</td>
</tr>
<tr>
<td>Craftsment</td>
<td></td>
<td>ARC 150  Introduction to the History of Western Art</td>
<td>5</td>
</tr>
<tr>
<td>HIS 105  Introduction to Historical Studies,</td>
<td>5</td>
<td>(4th-18th century)</td>
<td></td>
</tr>
<tr>
<td>Philosophy and Methodology of History</td>
<td></td>
<td>ARC 180  Introduction to Maritime Archaeology</td>
<td>5</td>
</tr>
<tr>
<td>HIS 108  Introduction to Modern Greek History</td>
<td>5</td>
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<td></td>
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<tr>
<td>HIS 134  Introduction to Medieval History</td>
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<td></td>
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<tr>
<td>HIS 144  Introduction to Ancient History</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 181  Introduction to European History (1789-1918)</td>
<td>5</td>
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*Note: Additional courses will be announced in due course.*
MEDICAL SCHOOL
Introduction

The University of Cyprus Medical School accepted its first students in September 2013. The School offers a complete undergraduate Medical Programme (MD) in Cyprus, a six-year programme based at the University of Cyprus in Nicosia and at affiliated hospitals throughout Cyprus (predominantly within Nicosia). Students who successfully complete the programme will graduate as qualified medical practitioners. Prior to their independent MD practice, graduates will intern for one pre-registration year.

In addition to the standard medical curriculum, the UCY medical degree programme also emphasises critical thinking skills, lifelong learning and excellence in patient-centred clinical practice. By offering an innovative undergraduate curriculum underpinned by the academic excellence of the University of Cyprus, the new programme will train medical doctors fully qualified to practise in today's world.

PROGRAMME OUTLINE

The Programme is divided into three phases:

- **Phase I**: one year pre-medical
- **Phase II**: two years integrated basic, behavioural and clinical sciences
- **Phase III**: three years clinical studies.

The programme is taught in Greek, although students are allowed to make any required presentations in either Greek or English.

The programme has drawn from well-regarded and long-established European medical schools, and has developed its own comprehensive as well as unique medical sciences curriculum, adapted to the needs and environment of Cyprus. The expertise and resources of the University of Cyprus are supplemented with newly appointed international experts, who help develop the educational, research and administrative components of the new Medical School.

As early as the first year, students are able to select, in addition to the core material, classes focused on areas of their interest **Student Selected Components (SSC)**. This gives students a chance to work with researchers in the University as well as in the Cyprus Health System, and an opportunity to broaden their knowledge in areas of their personal interest. In the first year, student assessment takes into account both performances in the SSCs as well as understanding of the core material.

The programme credits according to the European Credit Transfer System are:
Curriculum
The curriculum for the first three years is structured according to the conventional semester system at the University of Cyprus, i.e., two semesters per academic year.

Phase I
Clinical contact is integrated from the first semester of phase I. Besides the clinical work, students take classes in biology, chemistry, physics, psychology, sociology, mathematics and statistics, ethics, English and medical computing. These subject modules are linked to existing departments in the University of Cyprus, with classes developed specifically for students of medicine.

In Phase I students learn to:
- Use their knowledge of basic science to actively participate in the integrated clinical scenarios of Phase II.
- Access and discuss medical literature in Greek and English.
- Communicate in written and electronic format with each other, health professionals and patients.
- Understand the principles of consent and confidentiality.
- Access and explore the scientific literature.

Phase II
The second phase of programme, covering years 2 and 3, integrate clinical scenarios, patient contact and basic clinical and generic skills with classes in basic and behavioural science. Each week students have a session devoted to clinical experience, communications or other clinical skills. The classes in basic sciences- such as anatomy, physiology, pharmacology, biochemistry, pathology and behavioural sciences- are based on clinical cases introduced by practising doctors. This ensures learning is up to date and relevant. This phase includes directed active student learning in addition to lectures and tutorials.

Phase III
Phase III of the MD Programme covers years 4 to 6, with the curriculum for each year spanning 42 weeks. The curriculum for years 4 to 6 is based around clinical attachments at the Nicosia General Hospital, Archbishop Makarios hospital and other clinical sites. Students rotate through clinical placements in small groups so that they gain experience in a wide range of clinical specialties. This phase involves revisiting many of the topics of Phase II in greater clinical depth. There are vertical themes related to professional development, ethics, imaging, pathology, clinical pharmacology and therapeutics as well as a continuing element of basic science. These topics will be developed through the clinical placements and in weekly lectures, tutorials and clinical skills sessions.

Site
The first year of the programme is based largely at the Athalassa (New) Campus of the University of Cyprus, using the expertise and facilities of existing departments. The modules targeting clinical and communication skills are held at the Nicosia General Hospital and other clinical sites. The subsequent years of the programme will be based mainly at the Shiakoleion Ekpaideftiko Kentro Ygeias building adjacent to the Nicosia General Hospital.

Assessment
Assessment is primarily, in-course assessment, although there is also, end of year written exams and summative clinical assessments. Due to the nature of the programme, each year there is an integrated assessment rather than an assessment of the separate modules. Because of this type of assessment, the option of retaking individual modules is limited.

Selection Process
Admission to the programme is based on performance in the university entrance examinations organized by the Ministry of Education and Culture of the Republic of Cyprus. Admission criteria include Modern Greek as a compulsory subject and three of the following: mathematics, biology, chemistry and physics.

Contact details
For more information please contact the Secretary of the Medical School, tel.: 22894352, e-mail: medical@ucy.ac.cy or visit its website at http://www.ucy.ac.cy/medical-en.
FACULTY OF PURE AND APPLIED SCIENCES

- Department of Biological Sciences
- Department of Chemistry
- Department of Computer Science
- Department of Mathematics and Statistics
- Department of Physics
Introduction

Biology is at the forefront of scientific discovery and public attention. The recent delineation of the complete genomic information of humans and several other organisms has provided the foundation for unprecedented advances in understanding life at the molecular level. It has also provided new tools and approaches to medicine, agriculture, biotechnology, and other disciplines. In addition, the challenge of halting current threats to biodiversity has led to many breakthroughs in the way we understand the interactions of organisms with their environment and the important role of biodiversity for humanity. The way Biology is taught, practiced, and understood has been revolutionized through advances in biochemistry, cell and developmental biology and structural biology, genetic manipulations based on molecular biology, as well as through advances in ecology, systematics, evolutionary biology, conservation and management of natural resources. Biology has expanded to create novel fields, beyond its traditional scope, via synergies and interactions with information science, chemistry, physics and engineering. In this framework, Biology has become a driving force of discovery and application in the modern economy and industry (biotechnology, agriculture, aquaculture, medicine, pharmaceuticals, to name a few), and a source of improvements in health and quality of life.

OBJECTIVES

The main goals of the Department of Biological Sciences are:

• To develop competitive research programs in the fields of immunology, cell biology, developmental biology, embryology, bioinformatics, genetics, epigenetics, virology, neurobiology, and cancer treatment and prevention, as well as in ecology and biodiversity, including the sustainable use of its components.

• To offer high quality education and training at the undergraduate and postgraduate level.
• To contribute to upgrading services provided by the public and private sectors in Cyprus, especially those concerning public health, the environment, and medicine.

UNDERGRADUATE PROGRAMME OF STUDIES

The Department of Biological Sciences accepted its first graduate students in September 2003 and its first undergraduate students in September 2007. The Biology curriculum has been designed to prepare students for employment as well as enable them to continue their education and research.

The undergraduate and graduate studies in the Department of Biological Sciences offer an exciting journey into the broad and fascinating discipline of biological sciences, where each student will discover his or her own favorite niche. Join us, and we will guide and support you on your path to scientific discovery.

Graduates may continue their studies in postgraduate programmes or find employment in one of a number of sectors. Jobs might be found in clinical and diagnostic labs, the pharmaceutical industry, medicinal and genetic research, biotechnology, biomechanics, aquaculture, organic farming, environmental impact studies, environmental management, biodiversity conservation and many more.

Courses offered by the Department of Biological Sciences

Compulsory Courses
• BIO 102 Principles of Biology I
• BIO 111 Principles of Biology II
• BIO 201 Genetics
• BIO 202 Molecular and Cell Biology I
• BIO 203 Molecular and Cell Biology II
• BIO 221 Biochemistry I
• BIO 222 Biochemistry II
• BIO 230 Introduction to Computational Biology
• BIO 241 Laboratory Methods and Techniques I
• BIO 242 Laboratory Methods and Techniques II
• BIO 301 Ecology
• BIO 361 Introduction to Developmental Biology
• BIO 371 Microbiology
• BIO 382 Animal Physiology
• BIO 401 Evolutionary Biology
• BIO 451 Epigenetics
• BIO 471 Immunology
• BIO 481 Zoology
• BIO 482 Botany
• BIO 491 Undergraduate Thesis I
• BIO 492 Undergraduate Thesis II

Departmental Elective Courses
• BIO 311 Molecular and Cellular Neuroscience
• BIO 331 Computational and Systems Biology
• BIO 350 Development and Genetics of Model Organisms
• BIO 351 Molecular and Medical Human Genetics
• BIO 353 Evolutionary Genetics and Genomics
• BIO 354 Systems Biology
• BIO 355 Gene Regulation
• BIO 362 Special Topics in Developmental Biology
• BIO 365 Stem Cells
• BIO 372 Bacterial Pathogenesis
• BIO 381 Plant Physiology
• BIO 402 Advanced Issues in Ecology
• BIO 403 Marine Biology
• BIO 404 Environmental Pollution
• BIO 405 Phylogenetics
• BIO 406 Ornithology
• BIO 407 Molecular Ecology
• BIO 408 Ecophysiology
• BIO 409 Conservation Biology
• BIO 410 Biodiversity of Cyprus
• BIO 411 Behavioral Ecology
• BIO 413 Biogeography
• BIO 414 Field Course
• BIO 415 Statistical Methods in Ecology
• BIO 423 Molecular Oncology
• BIO 424 Microscopic Techniques
• BIO 431 Advanced Topics in Computational and Systems Biology
• BIO 432 Clinical Bioinformatics
• BIO 434 Principles of Structural Biology
• BIO 442, 443 Internship in Biology
• BIO 461 Experimental Embryology
• BIO 462 Advanced Topics in Molecular Embryology
• BIO 472 Virology
Courses offered by other Departments

- PHY 102 Physics for Chemists
- MAS 001 Mathematics I
- MAS 002 Mathematics II
- MAS 066 Biostatistics
- LAN 100 General Advanced English
- LAN 103 English for Biology
- CHE 021 Introductory Chemistry (for Biologists and Physicists)
- CHE 030 Organic Chemistry for Students of Biology
- CHE 031 Organic Chemistry for Students of Biology
- Free Elective Course
- Free Elective Course
- Free Elective Course

COURSE DESCRIPTIONS

Compulsory Courses

BIO 102 Principles of Biology I (7 ECTS)
An introductory course on the biology of organisms, providing an integrative overview of a wide array of organisms starting with bacteria and archaea moving to the protists and fungi and finally examining multicellular eukaryotes. The course presents life in an evolutionary context and stresses solutions imposed on organisms by their environment. Special emphasis is given to organisms that are important model systems in modern biological research and in addition seminal discoveries using these model systems are also described. Additional topics that are covered include basic taxonomy, concepts of cell biology, biological molecules and biodiversity.

BIO 111 Principles of Biology II (7 ECTS)
This foundation course will introduce students to key concepts of modern molecular biology, genetics and virology. Topics include: principles and methodology of prokaryotic and eukaryotic genetics; chemical, molecular and functional properties of the genetic material; applications of recombinant DNA technology; the fundamental aspects of molecular virology and of human diseases.

BIO 201 Genetics (6 ECTS)
This course provides a broad overview of genetics, covering classical genetics, chromosome structure and mutation, gene function and regulation, and aspects of molecular and developmental genetics. Quantitative and Population Genetics will also be covered.

BIO 202 Molecular and Cell Biology I (6 ECTS)

BIO 203 Molecular and Cell Biology II (6 ECTS)

BIO 211 Biochemistry I (6 ECTS)
The course is designed to provide an understanding of the physical, structural and functional properties of the chemical components of living matter. The course will cover the three major classes of biological molecules: proteins, carbohydrates and lipids. Emphasis will be on the chemical properties and three-dimensional structure of these molecules in relationship to their biological function as well as laboratory techniques for their isolation and characterization. Topics include: Protein structure and function. Hemoglobin - Structure, function and genetic disorders, Sugars and Polysaccharides. Lipids and biological membranes. Principles of thermodynamics, the mechanisms of enzyme action, enzyme kinetics, and the control mechanisms which regulate enzymatic reactions will be discussed. The principles governing metabolism, including bioenergetics, compartmentalization, the operation and control of pathways will also be discussed. This is followed by a consideration of the major metabolic pathways of carbohydrate metabolism, oxidative metabolism and lipid metabolism (i.e., triglycerides, phospholipids and sterols). The course concludes with a discussion of nutritional biochemistry and integration of pathways.

BIO 221 Biochemistry II (6 ECTS)
The course is designed to examine selected topics in Biochemistry, including hormones: molecular physiology of endocrine system, the hypothalamus-hypophysis axis, hormonal control of biochemical processes, metabolic disorders. Signal transduction: receptors, G proteins, second messenger systems and intracellular cascades. Enzyme-linked receptors and their intracellular cascades. Genetic, cellular and organismal responses to hormone signaling. Advanced research and diagnostic techniques in Biochemistry and Clinical Biochemistry (RIA, ELISA).

BIO 230 Introduction to Computational Biology (6 ECTS)
This course will demonstrate, through Lectures and Laboratory work, how Computational tools have revolutionized modern biological research with an emphasis on nucleic acid and protein sequence and structural analysis, also including an introduction to the analysis of complex biological systems. Lectures cover principles and methods used for sequence alignment, motif finding, structural modeling, structure prediction and network modeling. Laboratory practicals include examples on power usage of state-of-the-art methods/tools related to the topics
covered in the lectures, and student mini-research projects based
on programming and analysis of real-world datasets.

**BIO 241 Laboratory Methods and Techniques I (6 ECTS)**

This course focuses on various experimental techniques widely
used in biochemistry and developmental biology. It also includes
extensive practice in scientific style writing. It emphasizes
integration of factual knowledge with understanding the design
of experiments and data analysis so as to promote acquisition of
reasoning skills. Students first learn how to perform simple
calculations (dilutions, concentrations, pKa values, extinction
coefficients and absorbencies using Beer’s Law) and how to use
basic laboratory equipment (pipettes, scale, pH meter, centrifuge,
spectrophotometer). They are then introduced to spectroscopic
methods for determination of enzyme kinetics and to various
techniques for protein extraction, quantification and
characterization including SDS PAGE, Western Blot, Dot Blot,
ELISA, and immunofluorescence.

Finally, they study the developmental anatomy of Xenopus
embryos at different stages of development, oocyte fertilization,
embryo culture and experimental manipulation of embryos.

**BIO 242 Laboratory Methods and Techniques II (6 ECTS)**

This course provides students with a research-inspired laboratory
experience introducing standard techniques of molecular
biology, in the context of cloning a gene of interest from
genomic DNA. Techniques include DNA extraction from tissue
and bacteria cultures, DNA manipulation (PCR, agarose gel
electrophoresis, agarose gel extraction and transformation), X-
gal blue/white screening, Restriction Enzyme digests, RNA
isolation and characterization, CDNA synthesis (RT-PCR) and
analysis. This course also provides students with a diagnostic
laboratory experience introducing standard techniques of
histology (fixation, processing, embedding in paraffin wax,
sectioning with microtome and H&E staining).

**BIO 301 Ecology (6 ECTS)**

Introduction to Ecology. Interactions of biological systems with
their environment. Principles and concepts of population and
community ecology. The various concepts of niche and habitat.
Life history tables. Cost-benefit analysis. The ecosystem
approach. Energy flow and biogeochemical cycles. Productivity
and food webs. Short-term field work where students will
become familiar with basic ecological techniques.

**BIO 361 Introduction to Developmental Biology (7 ECTS)**

Morphological, physiological, and molecular aspects of cellular
and embryonic development of animals and plants. Introduction
to vertebrate animal development: a cellular, molecular and
embryological approach. The first part will include topics on early
vertebrate embryogenesis (blastulation, gastrulation, and
neurulation) with emphasis on model organisms such as fish,
frogs, chickens and mice and their relevance to humans. The
second part will include introduction to experimental
embryological methodologies for the elucidation of
developmental mechanisms. The last part will concern selected
topics in mammalian organogenesis (mice and humans).

**BIO 371 Microbiology (6 ECTS)**

The course offers an overview of microorganisms, including
bacteria, archaea, viruses and eukaryotic microorganisms. Topics
include microorganism structure, metabolism, and genetics. We
will examine the diversity of microbial lifecycles, as well as the
role of microorganisms in ecology, disease, and biotechnology
applications. Recent advances in the field will be highlighted.

**BIO 382 Animal Physiology (6 ECTS)**

Basic principles of cellular physiology: membrane potential,
action potential, ion channels, synaptic transmission, intracellular
signaling pathways.

Nervous system: Cell types, brain anatomy, blood-brain barrier,
sensory systems, neuromuscular junction, spinal reflexes,
autonomic nervous system. Muscle: Structure, contraction and
mechanics of striated and smooth muscle.

Cardiovascular system: Cardiac muscle, electrical activity of the
heart, cardiac cycle, blood circulation, vascular system.

Respiratory system: Anatomy, lung volumes, gas flow, gas
exchange.

Endocrine system: Hormones, hypothalamus, pituitary, pancreas,
thyroid gland, adrenal gland, regulation of the metabolism,
reproduction.

Kidney: anatomy, function, hormonal regulation.
Correlation of physiology and environment.

**BIO 401 Evolutionary Biology (6 ECTS)**

The course covers basic macro- and microevolution and the
history of evolutionary biology. Topics include natural and sexual
selection, genetic drift and gene flow, phylogenetics and
biogeography, speciation, co-evolution, species concepts,
population genetics and systematics.

**BIO 451 Epigenetics (6 ECTS)**

Prerequisite: BIO 201
The characteristics of a cell or organism depend on more than
just the sequence of bases in its DNA; they are also affected by
the structure of chromatin. This demonstration introduces
epigenetics, a phenomenon that underlies the differentiation of
cells in a complex multicellular organism, and explains some
heritable traits that are independent of DNA sequence.

**BIO 471 Immunology (6 ECTS)**

Introduction to immunology, with attention to the genetics,
molecular, and cell biology of antibody production; T-cell
mediated immune responses and innate immunity. Topics
include the nature of antigens, hypersensitivities,
transplantation, cytokines, autoimmunity, cancer, response to
infection, and vaccines.

**BIO 481 Zoology (6 ECTS)**

Evolution and divergence of animal phyla. Main morphological
characteristics, systematics, ecology and behavior of major
animal phyla. Special emphasis on larger phyla, such as Cnidaria,
Platyhelminthes, Annelida, Nematoda, Mollusca, Arthropoda,
Echinodermata and Chordata.

**BIO 482 Botany (6 ECTS)**

This course considers the fundamental biological principles as
they apply to plants. The plant cell and the basic organization of
the plant body. Evolution and differentiation of plants. The major
groups of plants and their most important characteristics.
Structure and function of the organs of representative plants will
be considered.
The course examines: the molecular basis of inheritance, the genetic code and the flow of genetic information; Mendelian laws of inheritance and presentation of diseases with autosomal-dominant, autosomal-recessive and X-linked inheritance, mutations and polymorphisms in the human genome. The course offers examples of monogenic disorders with reference to the Cypriot population (Thalassaemia, Cystic Fibrosis, Muscular Dystrophy, Familial Mediterranean Fever, inherited nephropathies, neuropathies, cancer), and describes special phenomena such as Founder Effects, gene flow, genetic drift, reduced penetrance, clinical and phenotypic heterogeneity. Also examined are: chromosomal recombinations and positional cloning of genes; principles of population genetics and Hardy-Weinberg equilibrium; the significance of genome-environment interactions; approaches to applications of molecular diagnostics. There is also discussion of the dilemmas resulting from contemporary molecular genetics applications.

**BIO 352 Evolutionary Genetics and Genomics (6 ECTS)**

Explores the genetic and genomic mechanisms underlying evolutionary change. Emphases are on complex trait evolution and its quantitative analysis, and the impact of modern mapping and genomic techniques on evolutionary biology. Topics include, but are not limited to, the genetics of adaptation and character regression; the evolution of complex characters and traits such as organ systems, the senses, and patterns of behavior; and methods for the study of quantitative trait locus (QTL) variation and multifactorial systems.

**BIO 353 Systems Biology (6 ECTS)**

Introduction to genomic methods for acquiring and analyzing genomic DNA sequence. Topics: genomic approaches to determining gene function, including determining genome-wide expression patterns; the use of genomics for disease-gene discovery and epidemiology; the emerging fields of comparative genomics and proteomics; and applications of genomics to the pharmaceutical and biotech sectors. Throughout the course, the computational methods for analysis of genomic data are stressed.

**BIO 354 Gene Regulation (6 ECTS)**

All cells in an organism contain the same genomic material but the variability in gene expression among cells defines the cell type and function. The aim of this course is to familiarize students with the variety of mechanisms responsible for regulating the expression of genes in eukaryotic cells. Detailed molecular mechanisms that operate at different levels, such as during transcription, RNA processing, and translation, will be discussed. In addition, teaching will focus on the organization and packaging of the genetic material in eukaryotic cells and the implications that this has on gene expression. The lectures will introduce a wide range of model organisms and experimental approaches that are used to study the regulation of gene expression.

**BIO 355 Special Topics in Developmental Biology (6 ECTS)**

Detailed analysis of selective topics in mammalian developmental biology (including humans) with emphasis on early embryogenesis, organogenesis and embryo-derived stem cells. Important research papers will be presented and discussed in class and students will be required to interpret and discuss their significance.

**BIO 356 Stem Cells (6 ECTS)**

This course begins with an introduction to stem cells and their significance for Regenerative Medicine. The course then examines the main embryo-derived stem cells (embryonic stem or ES cells, trophoblast stem or TS cells and extraembryonic endoderm stem or XEN cells) at the cellular and molecular levels, and describes some of their uses in Regenerative Medicine. The course concludes with discussion of adult-derived stem cells including induced pluripotent stem or iPSC cells and ‘in vivo’ iPSC cells, looking into their potential use for Regenerative Medicine.

**BIO 372 Bacterial Pathogenesis (6 ECTS)**

The course explores the mechanisms by which bacterial pathogens cause disease in humans and animals. Students learn the strategies that bacterial pathogens use to survive and multiply within their hosts as well as the strategies hosts use to
fend off infections. Lectures focus on the core principles of the underlying similarities among pathogens and their mechanism of action. Thought-provoking exercises are deployed to convey the excitement and fun of the scientific discovery.

**BIO 381 Plant Physiology (6 ECTS)**

Introduction to the physiology, biochemistry, and development of plants. Emphasis on the physiological basis for structural adaptations of plants in relation to environmental constraints and on mechanisms leading to developmental and physiological integration at the whole-plant level. Understanding of plant physiological processes is necessary for optimized productivity, e.g., industrial products (manufactured fibers, lumber, essential oils, pharmaceuticals) or other massively consumed products (cereal, vegetables, floricultural). Basic principles and current trends in plant physiology (based on recent research) are presented. Topics include: Principles of plant cell biology, hormones, long-range solute transport, nutrients, photosynthesis, nitrogen and sulfur, carbohydrate metabolism, respiration and photorespiration, external stimuli and signaling. Laboratory sessions provide an introduction to basic measurement techniques in plant physiology.

**BIO 402 Advanced Issues in Ecology (6 ECTS)**


**BIO 403 Marine Biology (6 ECTS)**

The course begins with a brief introduction to the physical, chemical, and geological processes that affect the major features of the ocean: plate tectonics, ocean circulation, tidal cycles and shoreline processes. Understanding the biology of marine organisms: adaptations of animals and plants to a saltwater existence, the different kinds of marine habitats and the diversity, abundance and distribution of organisms associated with them, as well as selected examples of population and community ecology of marine ecosystems and their productivity. In addition, various aspects of applied ecology, which may include commercial fisheries, mariculture, and marine pollution, will be considered.

**BIO 404 Environmental Pollution (6 ECTS)**

The course will focus on the causes of environmental pollution as well as the ways of monitoring pollution. Topics will include: Pollution assessment and analysis, environmental monitoring, chemical processes in the air, water and soils, data and environmental analysis and problem solving, environmental carcinogens.

**BIO 405 Phylogenetics (6 ECTS)**


**BIO 406 Ornithology (6 ECTS)**

Systematics, distribution, behavior and ecology, morphology and physiology of birds. Field trips introduce students to birds in their habitats, migration, communication, reproduction, and to data collection methods including bird ringing, and survey methods such as point counts and line transects.

**BIO 407 Molecular Ecology (6 ECTS)**


**BIO 408 Ecophysiology (6 ECTS)**


**BIO 409 Conservation Biology (6 ECTS)**


**BIO 410 Biodiversity of Cyprus (6 ECTS)**

Introduction to the most important elements of the biodiversity of Cyprus. General patterns of endemism and species richness, and their relationships with the palaeogeographical and palaeoecological history of the island. Most important floral and faunal elements with emphasis on endemics and threatened species. Hotspots of diversity and protected sites.

**BIO 411 Behavioral Ecology (6 ECTS)**

A review of animal behaviour focusing on proximate and ultimate mechanisms of behavior, including topics such as animal communication, foraging strategies, migration, social competition, sexual selection, mating systems, cooperation and social behavior. Will include field trips where students work on individual or group projects in animal behavior. Students then analyze data, write up project reports and present their work.

**BIO 413 Biogeography (6 ECTS)**


**BIO 414 Field Course (6 ECTS)**

The course provides a few introductory lectures describing common and tractable methods of sampling, recording and studying in the field. Students will then apply such methods during a continuous 2-3 week field trip or repeated short-term visits to sampling sites. They will undertake small-scale projects...
in ecology, biodiversity, animal behavior and ornithology. Afterwards, in the lab, students will sort samples, analyze and evaluate data collected, and finally submit a report with their findings.

**BIO 415 Statistical Methods in Ecology (6 ECTS)**

An introduction to the most commonly used statistical methods in ecological research. Examples from real case studies. Calculation of diversity indices, community (dis)similarity, ANOVA and multivariate statistics. Introduction to analysis of survivorship tables, mark-recapture and environmental data. General principles of null model analysis. Widely used software for ecological analysis.

**BIO 423 Molecular Oncology (6 ECTS)**

One in three people will develop cancer during their lifetime and 12 million people worldwide will be affected by some form of the disease every year. The study of molecular oncology, as an effort to better understand and to develop therapies for cancer, has significant scientific, economic and medical impact. Through this course we will gain an understanding of the onset of cancer by examining the role of chemical carcinogens and oncogenic viruses in malignant cellular transformation and proliferation. We will also study how oncogenes and tumor suppressor genes control gene expression, cell cycle, apoptosis and metastasis. Furthermore, we will understand how chemoprevention through dietary components synthetic compounds and hormones can reduce the risk of cancer. Finally, we will compare established chemotherapy drugs to new approaches for combating the disease, including targeted cancer therapeutics and personalized (tailored) medicine. Students selecting this course must have good knowledge of biochemistry and molecular and cellular biology.

**BIO 424 Microscopic Techniques (6 ECTS)**

Emphasis is placed on understanding the operation of microscopes(s) (including routine maintenance), interaction of beam and specimen, a variety of specimen preparation techniques, photographic techniques for microscopy, and photographic procedures for presentation of data.

**BIO 431 Advanced Topics in Computational and Systems Biology (6 ECTS)**

This course will cover more specialized and applied topics of Computational and Systems Biology. Topics to be covered include Probabilistic and Optimization methods, Machine Learning approaches (clustering, classification, prediction), image analysis methods. Emphasis is placed on applications to specific biological problems, such as Phylogenetic inference and Ancestral state reconstruction, Comparative genomics and phylogenomics, Protein structure prediction and design, as well as "Omics" approaches to describing biological systems.

**BIO 432 Clinical Bioinformatics (6 ECTS)**

Due to recent advancements in High Throughput Genomics technology, we are able to study the function of many genes. We have the ability to compare genes in normal vs. diseased cells, to help us better understand the molecular mechanisms of the different diseases. In this course students will learn how to: program in R, a powerful statistical programming language, how to use statistical methods to analyze real biomedical data and how to interpret the results.

**BIO 434 Principles of Structural Biology (6 ECTS)**

An introduction to the various methods currently in use for determining the three-dimensional structures of biological macromolecules and macromolecular complexes at or near atomic resolution. A general introduction to the methods is provided, followed by summaries of the practical aspects and the range of applications for which each technique is applicable. The structure-function relationship is enforced through examining specific examples (e.g., DNA-binding, structural and membrane proteins; large macromolecular assemblies). Advanced topics: Protein folding and stability; protein mechanics and design; protein structure prediction; Structural proteomics; Genomes in 3D.

**BIO 442, 443 Internship in Biology (6 ECTS)**

This course involves field or laboratory research with a faculty member in the Department of Biological Sciences. Students with superior academic performance and intellectual independence are eligible to apply for a position in a department laboratory. Student assessment will depend on a written assignment and/or a ten-minute, public research presentation to the Academic Advisor and Internship Supervisor. Students are advised to conduct their Internship in Biology after completion of their second year of study, but not concurrently with their thesis research.

**Prerequisites:**

1. The student must maintain a Grade Point Average of 8.00 for the first two years of study.
2. The student must successfully complete at least nineteen of the twenty courses taken in the first and second years of study.
3. The student must obtain the approval of the Academic Advisor and of the academic faculty member who will supervise the Internship ("Supervisor"). The student must receive the approval of the Departmental Committee of Undergraduate Studies by submitting the aforementioned documentation. The Supervisor will also submit to the Committee a short description of the proposed work, in order to verify that the project is distinct from the thesis research project that the student is conducting (or may later conduct) in the same laboratory.

**BIO 461 Experimental Embryology (6 ECTS)**

An introduction to basic problems in developmental biology by direct experimentation. Both classical and modern molecular manipulations of developing embryos are performed to study cell specification, differentiation, organ formation, and embryonic induction. Various aspects of pattern formation are analyzed, including the establishment of polarity and body axes, making use of frogs, mice, and fish.

**BIO 462 Advanced Topics in Molecular Embryology (6 ECTS)**

In-depth exploration of topics in embryology mainly covering primary literature with emphasis on its molecular basis. Seminal papers will be presented and discussed in class and students will be asked to critique and analyze the findings. Lectures will provide the conceptual basis for contemporary research in embryogenesis and organogenesis, while laboratory sessions will provide a hands-on introduction to embryo analysis.

**BIO 472 Virology (6 ECTS)**

The course examines many aspects of fundamental and applied virology. It covers principles, such as the structure of virions, virus
These are introductory courses of general interest, which the overall aim is to introduce students of other departments to the basic concepts of biology and reveal how and why basic biological research is performed, providing a basic knowledge of experimental design. The major goal of this course is to provide students from all fields with basic intellectual tools needed to approach these issues. Topics are drawn from the subject matter of modern molecular biology, genetics and virology. A secondary goal of this course is to emphasize historical sequences and intellectual processes involved in the development of biological understanding.

BIO 002 Integrative Biology (6 ECTS)

The course provides an integrative and functional approach to plant and animal biology in an evolutionary context, emphasizing common attributes of whole organisms and their solutions to problems imposed by the physical environment. Topics to be covered include: development and organization of body plans, gas exchange, transport and excretion, information processing, support and locomotion, and the acquisition of energy sources.

BIO 003 Introduction to Bioinformatics (5 ECTS)

This course is designed to demonstrate through lectures and laboratory work how the multidisciplinary field of Bioinformatics has revolutionized modern biological research. Topics presented include: Biological data and databases, nucleotide sequence analysis, protein sequence and structure analysis, biomolecular sequence comparison methods and applications in deciphering the information encoded in genomic data. Practicals will include examples of state-of-the-art methods/tools related to the topics covered in the lectures.

BIO 004 Life Before Birth (5 ECTS)

An introduction to the still mysterious process of how genes and cells bring about the remarkable transformation of the first-formed cell (the fertilized egg) into a human being. Key concepts in the genetic and cellular aspects of Modern Developmental Biology with emphasis on human embryos and the usefulness of embryos of other animals for understanding human embryogenesis.

BIO 005 Renegade Cells (5 ECTS)

Normal cells hold down their cell numbers by controlling their ability to multiply (divide) and by committing suicide (apoptosis) when necessary, sacrificing themselves for the common good. Normal cells respect their boundaries and obey the signals for growth or death they receive from their neighbors. By comparison, renegade cells, the cells that give rise to cancer, disregard the needs of the community of cells, become “selfish and unsociable,” and are only “interested” in their own proliferative advantage. This is a course on the origins and evolution of cancer, designed for the student who has little or no knowledge of biology. Students will learn about the fascinating discoveries of molecular oncology the past 30 years that revolutionized our understanding of the origins and the behavior of cancer, and will understand how this knowledge may lead to targeted therapeutics, tailored or rational drug design and cancer prevention strategies. We will discuss topics of general interest such as: Is there genetic predisposition for cancer? Can diet and other lifestyle habits (smoking, exercise) affect our risk for cancer? Has the incidence of cancer increased in recent years? Does meat contain carcinogens? Does fat or alcohol contribute to cancers? What types of cancer are affected by diet? Are vegetarians at a lower risk for developing cancer?

BIO 006 Cell Biology (5 ECTS)

The course covers: description of prokaryotic and eukaryotic cells and their major organelles; the role of microorganisms in infectious diseases and microbiology techniques; aminoacids and proteins as enzymes, membranes and lipids; the human replication and the classification of viruses. There are a number of lectures devoted to reviews of particular groups of viruses, where both principles and applications of virology are covered. Furthermore, specific applications of virology are examined, including viral vaccines and anti-viral drugs. It is important to point out that much of virology is concerned with characteristics of the proteins and nucleic acids of viruses, and with interactions between these molecules and the proteins and nucleic acids of cells. A fine background in molecular biology and cellular biology and microbiology is considered prerequisite for this course.

BIO 473 Advanced Topics in Cellular and Molecular Immunology (6 ECTS)

In-depth exploration of a topic in cellular and molecular aspects of immunity, including cellular interactions, antigen processing and presentation, pathogenesis, viral immunology, and cytokines.

BIO 474 Hot Topics in Infectious Diseases (6 ECTS)

The course is designed as a detailed survey of some of the most important human microbial and viral pathogens. It investigates these agents in detail and includes the most cutting edge basic research findings, as well as epidemiology, treatment and prevention of infections. The course is organized as a lecture course but interactivity with the students is greatly encouraged. At the end of the course, students make an oral presentation on a topic of their choice.

BIO 475 Viral Ecology (6 ECTS)

This course explains the ecology of viruses by examining their interactive dynamics with their animal hosts, giving emphasis on the types of transmission cycles that viruses have evolved on principal and alternate hosts. It investigates the concept that viral infections represent areas of overlap in the ecologies of the involved species.

BIO 495, 496, 497, 498, 499 Current Topics in Biology (6 ECTS)

The course will focus on specific areas of biology, approaching the material through lectures and reading primary literature. Topics in the course will vary between semesters but may include in-depth analysis of specialized areas of biology, advances in methodology, novel applications, etc. Emphasis will be placed on developing skills relevant to careers in biology, such as the ability to analyze, discuss, and present primary sources.

Courses offered to other Departments

These are introductory courses of general interest, which have been designed to cater to the needs of non-biologists. The overall aim is to introduce students of other departments to the basic concepts of biology and reveal the importance of the modern biological sciences in every aspect of life. Each of these courses is 5 or 6 ECTS.

BIO 101 Introduction to Modern Biological Sciences (5 ECTS)

We are becoming increasingly aware of the relevance of biology to our lives. There are issues that require us to have an elementary knowledge of basic biological trends in order to make informed decisions. This course addresses how and why basic biological research is performed, providing a basic knowledge of experimental design. The major goal of this course is to provide students from all fields with basic intellectual tools needed to approach these issues. Topics are drawn from the subject matter
genome, introduction to the genetic code and the molecular basis of inherited disorders.

**BIO 007 Cell Biology, Biochemistry (7 ECTS)**
The course covers: DNA replication, transcription and translation, DNA repair mechanisms, glycolysis and oxidative phosphorylation; lipids and carbohydrates, intermediary metabolism and examples of enzymic deficiencies; muscles and muscle contraction, neurons and nerve pulse, hormones and endocrine system, molecular receptors and signal transduction; the genetic basis of metabolic disorders and techniques of molecular diagnosis.

**BIO 100 Introduction to Human Genetics (5 ECTS)**
This course is for students with no previous knowledge of biology and biological systems. Students will be introduced to the main concepts and basic principles of human genetics so that they can understand the genetic basis of inherited diseases in humans. The class lectures will target issues and questions such as the following:

- Does marriage between close relatives favor the birth of children with inherited conditions?
- Is cancer inherited?
- Will human cloning bring back our lost loved ones?
- What is known about Cypriot genetics and the Cypriot genetic heritage?
- How did foreign occupants influence the Cypriot gene pool?
- Why do people inherit characteristics from ancestors not only seven, but even… 1007 generations back?

These and similar questions are answered during this course by describing molecular genetic testing methodology and discussing ethical dilemmas. Topics presented include: molecular basis of inheritance, genetic code, genetic information flow, anatomy of the human genome, recombinant DNA technology, Mendelian inheritance, diseases with autosomal (dominant-recessive) and sex-linked modes of inheritance.
### 1st YEAR

#### 1st Semester
- **BIO 102** Principles of Biology I 7
- **PHY 102** Physics for Chemists 6
- **CHE 021** Introductory Chemistry (for Biologists and Physicists) 6
- **MAS 001** Mathematics I 6
- **LAN 100** General Advanced English 5
**TOTAL** 30

#### 2nd Semester
- **BIO 111** Principles of Biology II 7
- **CHE 031** Organic Chemistry for Students of Biology 6
- **LAN 103** English for Biology 5
- **MAS 002** Mathematics II 6
- **MAS 066** Biostatistics 6
**TOTAL** 30
**YEAR TOTAL** 60

### 2nd YEAR

#### 3rd Semester
- **BIO 221** Biochemistry I 6
- **BIO 230** Introduction to Computational Biology 6
- **BIO 241** Laboratory Methods and Techniques I 6
- **BIO 301** Ecology 6
- **CHE 030** Organic Chemistry for Students of Biology 6
**TOTAL** 30

#### 4th Semester
- **BIO 201** Genetics 6
- **BIO 202** Molecular and Cell Biology I 6
- **BIO 222** Biochemistry II 6
- **BIO 242** Laboratory Methods and Techniques II 6
- **BIO 481** Zoology 6
**TOTAL** 30
**YEAR TOTAL** 60

### 3rd YEAR

#### 5th Semester
- **BIO 203** Molecular and Cell Biology II 6
- **BIO 382** Animal Physiology 6
- **BIO 401** Evolutionary Biology 6
- **BIO 471** Immunology 6
- **BIO 482** Botany 6
**TOTAL** 30

#### 6th Semester
- **BIO 361** Introduction to Developmental Biology 7
- **BIO 371** Microbiology 6
- **BIO 451** Epigenetics 6
- Departmental Elective Course 6
- Free Elective Course 5
**TOTAL** 30
**YEAR TOTAL** 60

### 4th YEAR

#### 7th Semester
- **BIO 491** Undergraduate Thesis I 12
- Departmental Elective Course 6
- Departmental Elective Course 6
- Free Elective Course 5
**TOTAL** 29

#### 8th Semester
- **BIO 492** Undergraduate Thesis II 14
- Departmental Elective Course 6
- Departmental Elective Course 6
- Free Elective Course 5
**TOTAL** 31
**YEAR TOTAL** 60
**GRAND TOTAL** 240

**Note:**
- Students must take three Free Elective Courses. These must be from at least two Faculties of the University and are selected in consultation with the Academic Advisor.
- Students must take a total of five Departmental Elective Courses during the third and fourth years of study.
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CHEMISTRY AT THE UNIVERSITY OF CYPRUS

The University of Cyprus has offered Chemistry education since its inception in 1992, when a Chemistry Section was established within the (then) Department of Physical Sciences. The first undergraduate students of Chemistry were enrolled in September 1994 and graduated with a B.Sc. in Chemistry in June 1998. The M.Sc. and Ph.D. programmes in Chemistry were initiated in 1998 and proved quite dynamic, as they earned the University international research recognition for Chemistry. The Chemistry Section evolved into an independent Department in February 2000, and in 2003 the Department of Chemistry moved to the new buildings of the Faculty of Pure and Applied Sciences at the Athalassa Campus. With the academic year 2012-2013 the original undergraduate programme of studies in Chemistry comes to an end. The new curriculum hence will consist of three courses of study, which will lead to exactly equivalent B.Sc. degrees but with different emphases: (a) Biological Chemistry, (b) Environmental and Food Chemistry, and (c) Chemistry of Materials.

CHEMISTRY AS A SCIENCE

Chemistry is one of the fundamental natural sciences. Its main areas of interest are the study of transformations of matter through chemical reactions (synthetic chemistry), and the analysis of the chemical structure of matter (analytical chemistry). Chemistry plays a prominent role in many other sciences, such as medicine and the health sciences, the environmental sciences and most branches of engineering. Chemistry is closely interlinked with the other natural sciences with which it often works cooperatively.

Chemistry has given us new disease-fighting drugs, new forms of energy, new types of fuels, new materials such as synthetic fibers and plastics, detergents, and agrochemicals, all of which have aided in the progress and development of our modern civilization. In the face of impending dangerous climate changes, Chemistry is leading the way in the effort to devise new, sustainable, environmentally friendly energy sources, through technologies such as solar energy conversion in novel photoelectrochemical cells, or the catalytic conversion of biomass to hydrogen for use in fuel cells. Chemistry also investigates the molecular mechanisms of life processes and the complex chemical
reactions that occur in biological systems, contributing to developments in modern medicine and molecular biology. Finally, Chemistry studies and monitors environmental pollution, working to combat it by developing new anti-pollution technologies.

Chemistry is therefore a key science for modern civilization, and its quality and strength at a national level are clear indicators of the dynamism of the local society and the local economy.

**DEPARTMENT'S OBJECTIVES**

The Department aims to produce and promote scientific knowledge and research in Chemistry, and provide society with highly trained and skilled graduates. Chemistry graduates can be employed by local industry (mainly the chemical industry, plastics, pharmaceuticals, food, beverages, construction materials, detergents, cosmetics, etc.), hi-tech private companies, the public sector and the education sector.

Cyprus accession to the European Union has meant more regulation in many sectors and areas, and this in turn has brought new employment opportunities for chemists. These include programmes to ensure quality control of food, and procedures for more complete monitoring of environmental pollution, radioactive materials and chemical waste. Strengthening governmental policies that support technologically advanced industrial units will further increase the market demand for chemists. To satisfy the demands of a modern, technologically advanced Cyprus, the Department has created an undergraduate programme that is fully compatible with European standards and which educates students to be conscientious and curious scientists capable of meeting the current and future challenges of Chemistry.

Chemistry is a very broad science with many different branches and a high degree of specialization, which is attained to a large extent through postgraduate studies. Most Chemistry graduates continue in postgraduate programmes, as the need for specialization becomes more pronounced every day. From its inception the Department of Chemistry has demonstrated a pioneering spirit and now, in response to the complex demands of chemistry education at various levels, as well as the demands of Society and the job market, the Department has restructured its undergraduate programme since the academic year 2010-2011. Three equivalent Chemistry degrees have been introduced, placing emphasis on three distinct areas of Chemistry – areas that are currently considered the most important for mankind in the 21st century.

These new degrees focus on Biological Chemistry, Food and Environmental Chemistry, and Materials Chemistry, and have been designed on the basis of the following principles:

(a) They are exactly equivalent, in the sense that all graduates of the Department of Chemistry will have equal credentials for the job market, (b) They retain the same high standards that established the reputation of the Department of Chemistry in its earliest years, (c) They are based on the European Credit Transfer System (ECTS).

**UNDERGRADUATE PROGRAMMES OF STUDIES**

The Chemistry Department offers three parallel chemistry directions with specialization in (a) Food and Environmental Chemistry, (b) Materials Chemistry and (c) Biological Chemistry including a Chemistry minor degree to students of other Departments of the University of Cyprus.

Starting in the academic year 2013-2014 and henceforth, onwards only the three new Chemistry programmes will be running. In addition to its standard basic programme(s) of study the Department of Chemistry offers a Chemistry minor degree to students in other Departments.

All programmes are based on ECTS and comprise: (a) Introductory Courses in Chemistry, Physics, Mathematics and Computer Programming (1st and 2nd semester); (b) Basic Courses for the Chemistry degree, such as analytical, inorganic, organic and physical chemistry, and biochemistry (3rd - 6th semester); (c) Courses specific to each degree programme offered by the Department (7th and 8th semester). To graduate with a B.Sc. in Chemistry, students must acquire a total of 240 ECTS.

At the theoretical level, Chemistry is taught through lectures that are complemented by seminars and problem-solving sessions. Chemistry is by nature an experimental science; therefore, the Department places strong emphasis on Laboratory Courses (eight laboratory courses of 6-7 ECTS each), which are regarded as independent courses, meaning that their grades are not compounded with those of the relevant theoretical courses. To complete a Chemistry degree the student must also take four university-wide Elective Courses (20 ECTS total) from at least three different Faculties of the University, as stipulated by University regulations. The student must also acquire 10 ECTS units in foreign language courses. All courses include a written final examination. However, the final grade of a course is calculated based on the student's performance in the final exams, homework, intermediate examination, scientific literature projects, and laboratory reports. There are usually prerequisite courses in a series of related courses (e.g., inorganic Chemistry I, II and III), where level I must precede level II, etc., and it is not possible to enroll in an advanced level course without having first performed satisfactorily in the lower level course(s) in the series (see related Table).

All three new Chemistry programmes cover all the basic Chemistry courses in the first three years of studies, with courses common to all three programmes (with the exception of a single course in the 6th semester). This
ensures that all graduates with a B.Sc. in Chemistry will have equal credentials in the job market. The differentiation of the three directions occurs in the 4th year of studies, in which all courses of each programme are different, providing the students with a significant first level of specialization in three important areas of modern Chemistry. However it must be emphasized that this level of specialization cannot match that offered by a postgraduate degree.

The three programmes differ as follows: (a) In the 6th semester of studies Bioorganic Chemistry is taught in the Biological Chemistry programme, while Food Chemistry is taught in the Food and Environmental Chemistry programme, and Chemical Technology is taught in the Materials Chemistry programme. (b) In the 4th year of studies, each programme is further differentiated. Specifically: In the Biological Chemistry programme students take Introduction to Microbiology, a Biochemistry laboratory, Special Topics in Spectroscopy, Bioanalytical Chemistry, Bioinorganic Chemistry, Pharmaceutical Chemistry and Computational Chemistry. In the Food and Environmental Chemistry programme, students take Bioanalytical Chemistry, Environmental Chemistry, the Food and Environmental Chemistry laboratory, Bioinorganic Chemistry, Special Topics in Molecular Spectroscopy, Methods of analysis and quality control of food and Computational Chemistry. In the Materials Chemistry programme, students take Surface Chemistry, the Chemical Technology Laboratory, Special Topics in Spectroscopy, Introduction to Supramolecular Chemistry, Organometallic Chemistry, Polymer Chemistry and Catalysis.

The Diploma Thesis (9 ECTS) is an important feature of the undergraduate programme. During the 4th year of studies, each student works independently for two semesters under the supervision of a member of the academic staff, studying one of the special experimental projects proposed. During the course of their Diploma work, students learn how to work independently, solve laboratory problems, search, study and analyse scientific literature, give seminars to their fellow students in a clear and comprehensive way, and present the results and conclusions of their Thesis work. Although a Diploma Thesis need not contain original research work, students usually work on truly original research related to the research interests of their supervisors.

Minor (Secondary) Degree in Chemistry

The minor degree in Chemistry is offered to those students in other Departments of the University of Cyprus who are interested in pursuing academic studies in chemistry. For the academic year 2010-2011 the Department offered its original minor degree, which was designed to operate in parallel with the original Chemistry programme.

The Minor in Chemistry contains both Mandatory and Elective Courses. Mandatory Courses ensure that the students enrolling in this programme will obtain a broad view of modern Chemistry, including all its major fields. Elective Courses enable students to focus on the topics that they prefer. The minor degree comprises four different groups of courses:

Group A: 3 Theoretical Courses at level 1. Students must elect 3 of the 5 theoretical Chemistry courses with codes 1xy (x,y are the numbers 0-9).

Group B: 2 Laboratory Courses. Students must elect 2 laboratory courses, one with code 1x0 and one with code 2x0 or 3x0. The lab codes must correspond to the elected theoretical courses of group A, to ensure compatibility between the laboratory courses and the theoretical courses.

Group C: 3 Theoretical Courses at level 2 or 3. The students elect 3 additional theoretical courses compatible to those of group A, with codes 2xy or 3xy. Courses are considered compatible when they have the same middle number x.

Group D: 2 Electives. Students elect 2-3 additional Chemistry courses, which may be: (a) 4th year Elective Courses or Mandatory Courses with codes 4xy, after obtaining the permission of the teaching staff. (b) Additional courses from Group A (codes 1xy). (c) Additional Laboratory Courses from Group B (codes 2x0 or 3x0). (d) Additional courses from Group C, provided they are compatible with the rest (codes 2xy or 3xy).

COURSE DESCRIPTIONS

(K) Core Course – Mandatory Course, (E) Elective Course, BC (new Biological Chemistry Programme), FEC (new Food and Environmental Chemistry Programme), MC (new Materials Chemistry Programme)

CHE 110 Analytical Chemistry Laboratory I (7 ECTS)

BC(K), FEC(K), MC(K)

Analytical Chemistry LAB I is a laboratory course focusing on classical methods of chemical analysis. The main goal of the experiments is to introduce students to analytical chemical work and way of thinking, and to provide skills in the qualitative and quantitative analysis of chemical species in laboratory and real samples. The experiments cover following analytical methods: a) Wet Chemistry Techniques of Qualitative Analysis, b) Classical Chromatographic Techniques (separation of species by paper and thin layer chromatography, and column ion exchange chromatography), c) Gravimetry, d) Volumetry (acid-base, complexometric, argentometric and redox titrations) and e) the Determination of Nitrogen by Kjeldahl.

CHE 111 Analytical Chemistry I (6 ECTS)

BC(K), FEC(K), MC(K)

The course covers the following chapters: Introduction, errors and statistical evaluation of analytical data. Errors in chemical analysis. Application of descriptive and inductive methods of statistics to analytical data. Pre-analytical procedures. Classical

**CHE 121 Introductory Chemistry (for Chemists) (6 ECTS)**

Atomic Structure: Hydrogen Atom (the Bohr model, the Schrödinger equation, the principal, azimuthal, magnetic and spin quantum numbers, the atomic orbitals), Polyelectronic Atoms (the Pauli exclusion principle, the Hund’s rule, the building – up principle, electronic configuration).


Chemical Bonds and Molecular Structure: Ionic Bonds, Covalent Bonds, Lewis structure, VSEPR theory, Molecules with multiple bonds, Metallic bond.

Nomenclature: Rules for Writing and Naming Inorganic and Metal-Organic Compounds According to IUPAC Conventions.


**CHE 122 Inorganic Chemistry I (6 ECTS)**


**CHE 130 Organic Chemistry Laboratory I (7 ECTS)**


**CHE 131 Organic Chemistry I (6 ECTS)**


**CHE 140 Physical Chemistry Laboratory I (7 ECTS)**


**CHE 141 Physical Chemistry I (6 ECTS)**


**CHE 210 Analytical Chemistry Laboratory II (6 ECTS)**

In this course, instrumental qualitative and quantitative analysis experiments are performed. These experiments include spectrometric methods (Ultraviolet – Visible Spectrometry, Infrared Spectrometry, Atomic Emission Spectrometry), chromatographic methods (Gas Chromatography, High Performance Liquid Chromatography), and electrochemical methods (potentiometry, conductivity).

**CHE 221 Inorganic Chemistry II (6 ECTS)**


Inorganic Chains, Rings, Cages and Clusters: Chains, Rings, Cages, Boron Cage Compounds, Metal Clusters.

CHE 230 Organic Chemistry Laboratory II (7 ECTS)
BC(K), FEC(K), MC(K)
- Risk Evaluation: R/S risk and safety codes; COSHH compliance.
- Unknown Identification: purification; spectroscopic analysis and identification; Laboratory Techniques: azeotropic distillation use of Dean-Stark apparatus, vacuum distillation; vacuum sublimation; short path distillation; microscale; multi-step synthesis; thin layer chromatography, spectroscopic analysis NMR, IR and UV. Project Synthesis: searching the literature, chemical abstracts; planning and costing a 3-step synthesis; evaluating and choosing best synthetic route based on cost and safety. Report Writing: journal format; use of word processing and chemical drawing software. Review of the scientific literature on a topic related to organic chemistry.

CHE 231 Organic Chemistry II (6 ECTS)
BC(K), FEC(K), MC(K)
- NMR Spectroscopy, Benzene and Aromaticity, Benzene Chemistry, Alcohols, Thiols, Ethers, Epoxides, Sulfides, Carbonyl Chemistry (Aldehydes, Ketones, Carboxylic Acids and their Derivatives), Amines, Arylamines, Phenols, Pericyclic Reactions (Cycloadditions, Electrocyclic Reactions, Sigmatropic Rearrangements).

CHE 241 Quantum Chemistry (6 ECTS)
BC(K), FEC(K), MC(K)

CHE 242 Physical Chemistry II (6 ECTS)
BC(K), FEC(K), MC(K)

CHE 311 Analytical Chemistry II (6 ECTS)
BC(K), FEC(K), MC(K)

CHE 320 Inorganic Chemistry Laboratory (7 ECTS)
BC(K), FEC(K), MC(K)
1. Main group chemistry. Synthesis and characterization of chlorotribenzyltin(IV) and tri(propyl)borate.
2. Vanadium Chemistry: Oxidation states, complexes, and non-oxo vanadium molecules. Synthesis of bis(acetylacetonate)vanadyl(IV) and tris(catecholate)vanadium(IV) dis(triethylammonium)

- Characterization of the compounds:
  a) 1H, 13C, 119Sn, 11B NMR spectroscopy
  b) UV-Vis spectroscopy
  c) IR spectroscopy
  d) Magnetic Measurements
  e) Cyclic Voltametry
  f) polarometry
  g) Conductivity
  h) Melting point

CHE 321 Inorganic Chemistry III. Bond Theory, Structure and Reactivity of Metal Complexes (6 ECTS)
BC(K), FEC(K), MC(K)
1. Coordination Chemistry, Bond, Spectroscopy, Magnetism (Bond theories of metal complexes, infra red and visible spectroscopy of metal complexes, magnetic properties of Metal complexes)
2. Structure (Structure and isomerism of metalorganic molecules with coordination number 1-12, enantiomeric complexes, experimental distinction of enantiomers, chelate effect, macrocyclic ligands, selective binding, template synthesis)

3. Reactions, Kinetics and mechanisms (Substitution reactions of square planar compounds and octahedral complexes, effect of crystal field stabilization to the kinetics of metal complexes, acid and base catalysis, fluctional complexes, redox reactions, inner-out sphere mechanisms, electron transfer, mixed valence compounds, light induced catalytic reactions, applications.

4. Descriptive chemistry of transition metal, lanthanides and actinides (Periodic table, oxidation states-electrochemistry, chemistry of the various oxidation states of the metal ions, chemistry of the heavier transition metals, bonding and structure of lanthanides and actinides, coordination chemistry, visible spectroscopy and magnetic properties of lanthanides and actinides, transuranium elements)

CHE 331 Organic Chemistry III (6 ECTS)

BC(K), FEC(K), MC(K)

Heterocycles: furan, thiophene, pyrrole, pyridine, quinoline, isoquinoline and indole. Organic Free Radical Chemistry: mechanisms; functional group manipulation; C-C bond formation; Alcylic Chemistry: ring strain; cycloalkanes (3-7) and larger (8-14 membered) rings. Non-Aromatic Heterocycles and Natural Products: small (3 & 4) and medium (5 & 6-membered) rings, steroids, β-lactams, carbohydrates; alkaloids, stereoelectronic, kinetic thermodynamic control, NGP, phenolic oxidative coupling. B, Si & Sn: hydroboration, silylenolethers, Shapiro reaction, electrophilic substitution with allylic rearrangement, Crotysilanes, Brook, Sila-Pummerer & Si-Baeyer-Villiger rearrangement, hydrostannylation, Crotylstannanes, Sn-Li exchange. Pd(0/II), Co & Fe: applications in synthesis; C-C bond formation via transmetallation, cyclisation, carbonyl/alkene insertions. Mixed Mechanism Workshop.

CHE 332 Bioorganic Chemistry (6 ECTS)

BC(K),


CHE 340 Physical Chemistry Laboratory II (7 ECTS)

BC(K), FEC(K), MC(K)


CHE 341 Physical Chemistry III (6 ECTS)

BC(K), FEC(K), MC(K)


CHE 404 Undergraduate Diploma Thesis in Biological Chemistry I (3 ECTS)

BC(C)

The Diploma Thesis work is mandatory for the Bachelor degree in Biological Chemistry. In the first part of the diploma thesis work students begin working on a given subject under the supervision of a faculty member. Emphasis is placed on scientific literature search and on mastering methods and techniques in the laboratory. At the end of semester the student’s performance is assessed by the supervisor and is marked as “satisfactory” or “unsatisfactory”.

In the latter case, the student must register in CHE 404 for one additional semester. The final grade for the Diploma Thesis is given after completion of CHE 407.

CHE 405 Undergraduate Diploma Thesis in Biological Chemistry II (6 ECTS)

BC(C)

The course is a continuation of CHE 404. In this part, students continue to obtain their experimental data, and discuss and present the data in diagrams, figures and tables. At the end of CHE 407 students write a report on their Diploma Thesis work. In addition, students give an oral presentation of their work before an examination committee and must successfully answer questions about their work.

CHE 406 Undergraduate Diploma Thesis in Food and Environmental Chemistry I (3 ECTS)

FEC(C)

The Diploma Thesis work is mandatory for the Bachelor degree in Food and Environmental Chemistry. In the first part of the diploma thesis work, students begin working on a given subject under the supervision of a faculty member. Emphasis is placed
on scientific literature search and on mastering methods and techniques in the laboratory. At the end of semester, the student's performance is assessed by the supervisor and is marked as “satisfactory” or “unsatisfactory”. In the latter case, the student must register in CHE 405 for one additional semester. The final grade for the Diploma Thesis is given after completion of CHE 408.

**CHE 407 Undergraduate Diploma Thesis in Food and Environmental Chemistry II (6 ECTS)**

**FEC(C)**

The course is a continuation of CHE 405. In this part, students continue to obtain their experimental data, and discuss and present the data in diagrams, figures and tables. At the end of CHE 408 students write a report on their Diploma Thesis work. In addition, students give an oral presentation of their work before an examination committee and must successfully answer questions about their work.

**CHE 408 Undergraduate Diploma Thesis in Materials Chemistry I (3 ECTS)**

**MC(C)**

The Diploma Thesis work is mandatory for the Bachelor degree in Materials Chemistry. In the first part of the diploma thesis work, students begin working on a given subject under the supervision of a faculty member. Emphasis is placed on scientific literature search and on mastering methods and techniques in the laboratory. At the end of semester, the student's performance is assessed by the supervisor and is marked as “satisfactory” or “unsatisfactory”.

In the latter case, the student must register in CHE 406 for one additional semester. The final grade for the Diploma Thesis is given after completion of CHE 409.

**CHE 409 Undergraduate Diploma Thesis in Materials Chemistry II (6 ECTS)**

**MC(C)**

The course is a continuation of CHE 406. In this part, students continue to obtain their experimental data, and discuss and present the data in diagrams, figures and tables. At the end of CHE 409 students write a report on their Diploma Thesis work. In addition, students give an oral presentation of their work before an examination committee and must successfully answer questions about their work.

**CHE 410 Food and Environmental Chemistry Laboratory (5 ECTS)**

**FEC(K)**

Laboratory experiments focusing on the analysis of food constituents (carbohydrates, lipids, proteins, enzymes, inorganic components, vitamins), on the qualitative and quantitative determination of chemical additives, toxic and dangerous substances in food, on the determination of pollutants in water. Methods: Gas Chromatography, Liquid Chromatography, Mass Spectrometry, UV-vis spectroscopy, FTIR spectroscopy.

**CHE 411 Food Chemistry (6 ECTS)**

**FEC(K)**


**CHE 412 Environmental Chemistry (6 ECTS)**

**FEC(K)**

The course deals with the fate of chemical substances in the environment and the environmental impact of anthropogenic activities. Chapters included are: Geochemical and elemental cycles. Atmospheric phenomena and related chemical reactions. Aquatic systems and water/wastewater management. Soil chemistry and waste deposition in geological formations. Chemistry and toxicity of toxic metals and xenobiotics. Analysis of environmental samples.

**CHE 413 Methods of Analysis and Quality Control of Food (6 ECTS)**

**FEC(K)**


**CHE 415 Bioanalytical Chemistry (6 ECTS)**

**BC(K), FEC(K)**

The main purpose of this course is to describe the basic principles and the applications of instrumental and molecular methods in the study of biomolecules. Emphasis will be placed on the following topics: a) Biomolecules: amino acids, peptides, proteins, nucleic acids. b) Application of liquid chromatography for bioanalysis: ion exchange, affinity and size exclusion chromatography. c) Methods and applications of gel and capillary electrophoresis in biomolecules. d) Enzyme kinetics. e) Mass spectrometry of biomolecules: MALDI-TOF/MS, ESI/MS. f) Techniques and applications of UV/Vis, IR and Raman spectroscopy in biomolecules. g) Molecular Recognition: bioassays (antibodies, antigens, immunoassays), biosensors, DNA-arrays. h) Nucleic Acids: amplification (polymerase chain reaction) and sequencing. i) Protein sequencing.

**CHE 416 Environmental Chemistry II (6 ECTS)**

**FEC(K)**

The course deals with the fate of chemical substances in the environment and the environmental impact of anthropogenic activities. Chapters included are: Geochemical and elemental cycles. Atmospheric phenomena and related chemical reactions. Aquatic systems and water/wastewater management. Soil chemistry and waste deposition in geological formations. Chemistry and toxicity of toxic metals and xenobiotics. Analysis of environmental samples.

**CHE 418 Methods of Analysis and Quality Control of Food (6 ECTS)**

**FEC(K)**


**CHE 421 Organometallic Chemistry (6 ECTS)**

**MC(K)**

General Introduction to Organometallic Chemistry: Definition, Historical Background, Basic Principles, Molecular Orbital Theory and the 18 – Electron Rule, Counting Electrons in Complexes, the Most Important Applications of Organometallic Compounds. Classification and Reactivity of Organometallic Metal Complexes: Metal Carbonyl Complexes, Carbonyl Hydride Complexes, Nitrosyl Complexes, Dinitrogen Complexes, Metal - Alkyls, - Carbenes, - Carbynes and - Carbides Complexes, Nonaromatic Alkene and Alkyne Complexes, Allyl and Pentadienyl Complexes, Metalallocenes, Aren Complexes, Substitution Reactions, Oxidative Addition, Reductive Elimination, Insertion and Elimination.

CHE 422 Surface Chemistry (6 ECTS)

MC(K)

CHE 423 Bioinorganic Chemistry (6 ECTS)

BC(K)
General Information on Bioinorganic Chemistry: Definition, Historical Background, Basic Principles, Biological Ligands for Metal Ions.
The most Important Biological Functions of Metal Ions: Metalloporphyrins and Respiration, Dioxygen Binding, Transport and Utilization, Binding of Dioxide to Myoglobin, Physiology of Myoglobin and Hemoglobin, Structure and Function of Hemoglobin, Other Biological Dioxide Carriers, Photosynthesis, Chlorophyll and the Photosynthetic Reaction Center, Water Oxidizing Center, Enzymes, Vitamin B12 and the B12 Coenzymes, Nitrogen Fixation.
More Functions of Metal Ions in Biological Systems: Trace elements in Biological Systems, Biochemistry of the Nonmetals, Environmental Chemistry of Metal Ions, Toxicity, Medicinal Chemistry, Chelate Therapy, Antibiotics and Related Compounds.

CHE 430 Biochemistry Laboratory (5 ECTS)

BC(K)
Protein purification (methods: centrifugation, liquid chromatography, electrophoresis), protein quantification, study of enzyme kinetics (activity and kinetic measurements, inhibitors).

CHE 431 Biochemistry (6 ECTS)

BC(K), FEC(K), MC(K)

CHE 436 Introduction to Medicinal Chemistry (6 ECTS)

BC(K)

CHE 437 Introduction to Computational Chemistry (6 ECTS)

BC(K), FEC(K)
A general overview of computational methods and their applications in the prediction of physicochemical properties of molecules. The lectures are supplemented by laboratory work where students are trained to use a quantum chemical software. The course covers force fields, semi-empirical, DFT and ab initio methods, the most common basis sets and qualitative molecular orbital theory. Problems include the use of quantum chemical software for structural optimisation, IR spectrum prediction and visualisation of eigenvectors, computation of thermochemical properties, 3-D modelling of molecules and visualisation of molecular orbitals. An introduction to qualitative theoretical models for relating experimental data with computed quantities is also provided.

CHE 438 Supramolecular Chemistry (6 ECTS)

MC(K)

CHE 440 Chemical Technology Laboratory (5 ECTS)

MC(K)

CHE 441 Chemical Technology (6 ECTS)

MC(K)
CHE 443 Polymer Chemistry (6 ECTS)
MC(K)

CHE 445 Catalysis (6 ECTS)
MC(K)

CHE 446 Special Topics in Molecular Spectroscopy (6 ECTS)
BC(K), MC(K)

Courses offered to other Departments

CHE 021 Introductory Chemistry (for Biologists and Physicists) (6 ECTS)
8. Chemical kinetics, reaction rate, order and mechanism. Kinetic equation, Arrhenius equation, activation energy, catalysis and catalysts.

CHE 022- Introductory Chemistry for Medicine (6 ECTS)

Energy in molecular systems, thermodynamic laws, thermochemistry, enthalpy, entropy and free energy of reactions. Phases of matter, liquids and vapor pressure, osmotic pressure of solutions, osmosis in biology and medicine, chemical equilibrium concepts. Acids and bases, pH scale. Organic chemistry, the chemistry of carbon. Simple nomenclature, active groups on biological molecules, isomerism and chirality and their applications to drugs. Simple organic chemical reactions of major groups, applications to health sciences. Biological macromolecules, their structural, physicochemical and reactivity properties. Elements of analytical chemistry for the detection and quantification of drugs and molecules of biological significance.

CHE 030 Organic Chemistry Lab for Students of Biology (6 ECTS)

**CHE 031 Organic Chemistry for Students of Biology (6 ECTS)**

## Analytical Programme of New Directions

### 1st YEAR

#### 1st Semester

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### 2nd YEAR

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### 3rd YEAR

#### 5th Semester

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**ANALYTICAL PROGRAMME OF NEW DIRECTIONS**

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**GRAND ECTS**

240
THE ROLE OF COMPUTER SCIENCE AND THE OBJECTIVES OF THE DEPARTMENT

Computer Science addresses a variety of issues including enhancement of the range of problems that can be efficiently solved using computers as well as the generation, maintenance and optimisation of software and hardware systems for designing high performance computers. Computer Science also focuses on questions relevant to reasoning, conversing and planning, modelling of the functioning of the brain as well as the roles of language and logic in the solution of practical problems.

In the light of this general perspective the primary objectives of the Department are to:

(a) Participate in international research in Computer Science.

(b) Disseminate, through its teaching and international activities, knowledge relevant to all aspects of Computer Science.

(c) Promote the effective application of Information Technology within local industry and economy.

The aim of the Department of Computer Science is to prepare graduates to rise to positions of responsibility as Information Technology professionals or in academia and who will actively promote the development and application of new ideas and technologies. The Department attaches particular significance to its close relationship with local industry; graduates are seen as a convenient vehicle for an ongoing dialogue with industry.

PROGRAMME OF STUDIES

The undergraduate programme of studies leads to the award of a Bachelor’s Degree in Computer Science. The Department’s course material is conceptually divided into four main areas of study:

(a) The “Theory” Area is concerned with the foundations of Computer Science: theory and models of computation and the design and analysis of algorithms.

(b) The “Computing Systems” Area is concerned with hardware and software systems and elaborates on the concepts of parallel and embedded systems.
(c) The “Problem Solving” Area aims at developing algorithmic thinking, with emphasis on principles of programming and algorithm design.

(d) The “Applications” Area aims at bringing together the knowledge and skills acquired in the other three areas for the development of useful applications to solve real problems, such as the communication between networked computers.

In more detail, the programme includes Compulsory “Core” Courses, Restricted Elective Courses (which are offered by the Department and allow students to specialise in a specific area of Computer Science or acquire knowledge that spans a wider scientific spectrum) and Elective Courses that are offered by other departments. Some of these courses have prerequisites.

The Department of Computer Science is offering three directions:

- Computer Science: General Direction,
- Computer Systems and Networks, and
- Software Engineering

The direction Computer Science: General Direction aspires to offer its graduates a broad background in the essential practical techniques together with their underlying principles. This will enable them to develop technical expertise, professional skills and critical thinking.

The direction Computer Systems and Networks aims to present the basic principles and recent developments in the organization and programming of computer systems and networks. Through both course work and laboratories, students are given the opportunity to cover topics related to this specialisation, with emphasis on parallel and embedded systems as well as high-performance networks.

The direction Software Engineering aims at preparing students for becoming Software Engineers. In the software industry familiarity with software development processes and experience using various programming languages are essential competences. Students will have the opportunity to gain knowledge on the tools of the software engineering industry, work in groups and implement software products.

Almost all courses offered by the Department in the first four semesters are compulsory and common for all students. Students are asked to choose a direction at the beginning of the fourth semester of their studies. In the fifth and sixth semesters, students are required to take the compulsory courses of their chosen direction, as well as elective courses from other departments. The last two semesters include restricted elective courses within the direction and elective courses; also, each student must undertake an individual diploma project, called undergraduate thesis project, under the supervision of a member of the Department’s academic staff. The topic of the undergraduate thesis project must relate to the student’s chosen direction of study.

**MINOR PROGRAMME OF STUDIES**

The minor in Computer Science requires the successful completion of eight courses which must include the courses CS 121, CS 131, CS 132, CS 221, CS 231, CS 241 and two restricted elective courses from the undergraduate programme of studies.

**MAIN FIELDS OF ACTIVITY**

Computer Science is a relatively new but rapidly evolving subject, and these developments contribute significantly to the quality and content of the curriculum. One of the main objectives of the Department is the development of programmes of direct relevance to Cyprus, in collaboration with local industry and research institutions.

Within this framework the Department’s academic staff focuses on three major areas as follows:

- Artificial Intelligence and its Applications, where the following topics are covered: Computational Logic; Computational Intelligence; Neuroinformatics; Intelligent Systems and Applications; Knowledge Engineering and Expert Systems; Knowledge Representation and Reasoning.
- Computer Systems and Applications, which includes the following topics: Computer Architecture; Computer Graphics; Learning Technologies, Open and Distance Learning; Medical Informatics and Health Telematics; Multimedia Software Engineering; Theory and Practice of Software Engineering.
- Parallel and Distributed Processing Systems and Networks, which includes the following topics: Distributed and Parallel Computing and Networks; Distributed, Real-Time and Multimedia Systems; Formal Methods for Specification and Verification of Concurrent Systems; Integrated Service Networks; Internet Technologies and Systems; Mobile and Transactional Computing; Parallel and Distributed Systems; Parallel Processing and Architectures; Software Engineering for Distributed Information Systems.
COURSE DESCRIPTIONS

CS 111 Discrete Structures in Computer Science and Computation (7.5 ECTS)

CS 121 Digital Systems (7.5 ECTS)

CS 131 Programming Principles I (7.5 ECTS)
Presentation of the Software Development Process and Introduction to the Basic Principles of Programming and programme design using the Java language. Global Overview of the Java language with emphasis on built-in and abstract data types, control structures, functions, modular programming and recursion.

CS 132 Programming Principles II (7.5 ECTS)

CS 202 Explorations into Computer Science (2 ECTS)
Weekly lectures/seminars that cover a broad spectrum of Computer Science and its basic areas, starting from its birth and reaching its modern evolutions. Revolutionary ideas for the foundation and development of Computer Science.

CS 211 Theory of Computation and Complexity (7.5 ECTS)
Formal methods of computation based on Machines, Grammars and Languages: finite automata vs. regular languages, pushdown automata vs. context-free grammars; Turing machines vs. unrestricted grammars. Models of computation equivalent to Turing machines and Church's Thesis. Computability and Uncomputability. Introduction to Theory of Computational Complexity with emphasis on the Theory of NP-completeness.

CS 221 Computer Organization and Assembly Programming (7.5 ECTS)
Introduction to computer organization and architecture. Types of Instructions, Coding of Instructions, Arithmetic and Logic Unit. Basic principles of the organization of the main functional units of a Computer System at machine level: Central Processing Unit (CPU), Memory and Input/Output. Interfacing CPU and Peripheral Units. Programming in Assembly Language for MIPS R2000/R3000 and Intel Pentium.

CS 222 Operating Systems (7.5 ECTS)

CS 231 Data Structures and Algorithms (7.5 ECTS)

CS 233 Object-oriented Programming (7.5 ECTS)

CS 241 Systems Analysis and Design (7.5 ECTS)
Study of the Theory and the Methodologies which have been developed over the years in the area of systems, with the objective to introduce techniques and methodologies for Systems Analysis and design of Information Systems. Special attention to the study of “Information Society” and its effect in system development and maintenance.

CS 323 Theory and Practice of Compilers (7.5 ECTS)
Fundamental principles of Compiler Design. Relation of Translators to Formal Languages and Automata Theory. Lexical, Syntactic and Semantic Analysis, Code Generation and Optimisation, etc. Practical Exercises using lex and yacc.

CS 324 Communications and Networks (7.5 ECTS)
Fundamental issues in Communication Networks, using the Internet as an example. Networking layers, such as the application, transport, network, link and physical layers. Open systems and internetworking. Networking technologies including wired and wireless Local Area Networks (LANs, WLANs) and network topologies. Algorithms, including routing and congestion control, protocols and standards, quality of service (QoS) and applications. Introduction to more advanced topics, such as real time services and network security.

CS 336 Algorithms and Complexity (7.5 ECTS)
CS 341 Artificial Intelligence (7.5 ECTS)

CS 342 Database Systems (7.5 ECTS)
Introduction to Databases. Organization and Proper Management of large quantities of data for use in applications. Database Models such as the Entity-Relation Model, The Relational Model, the Network Model and the Hierarchical Model.

CS 361 Software Engineering I (7.5 ECTS)
Methods, tools, and procedures for the development and maintenance of large-scale software systems. Existing life-cycle models (e.g., waterfall model). Introduction to Agile development. Requirements analysis and specification techniques. Software development methodologies. Unified Modeling Language (UML) and supported static and dynamic diagrams. Code transformation. Practical experience with CASE tools for modeling data and procedures (ArgoUML, StarUML). Prototyping for Web applications (HTML, CSS). Architectural Design patterns (Model View Controller, etc.). Software verification and validation. Unit testing and frameworks (JUnit, etc.). CASE tools. Project planning and management.

CS 362 Software Engineering II (7.5 ECTS)

CS 363 Professional Practice in Software Engineering (7.5 ECTS)
Undertake and carrying out to completion a significant software project by small student groups (of about 2-6 students each). All phases in the development of software. Some of the specific projects come from the industrial sector. Version control systems (SVN and GitHub). Testing. Software system analysis through software metrics. Specialized issues depending on the project nature (e.g. deployment on web servers, GUI tools and frameworks etc.).

CS 370 Computer Architecture (7.5 ECTS)

CS 371 Systems Programming (7.5 ECTS)

CS 372 Parallel Processing (7.5 ECTS)
The entire spectrum of Parallel Machines as described in Flynn's classification: SISD, SIMD, MISD, MIMD. The main approaches to the Design and Operation of Multiprocessor Systems. Conventional and Non-conventional Machines (Data-flow and reduction). Parallel Programming Approaches: (1) Automatic-parallelizing compilers, (2) Extending serial languages with parallelizing constructs, (3) parallel languages for Functional Programming. Special emphasis on Parallel Architectures and Parallel Programming.

CS 375 Advanced Networks (7.5 ECTS)

CS 412 Logic in Computer Science (7.5 ECTS)

CS 413 Computational Geometry (7.5 ECTS)

CS 424 Digital Signal Processing (7.5 ECTS)

CS 425 Internet Technologies (7.5 ECTS)
Topics of Internet and World-Wide Web technologies, with an emphasis on WWW applications and Internet Programming. The foundations of WWW applications including Hypertext, Navigation in Hyperspace, Hypertext Usability, Information Overload, Markup Languages and methodologies of WWW Application Design. System issues related to Internet programming and performance: Protocols, Servers, WWW interactivity, Internet-based distributed systems.

CS 426 Computer Graphics (7.5 ECTS)

CS 429 Context-Aware Pervasive Systems (7.5 ECTS)
Software Infrastructure for Pervasive Computing that can support the Integration between the Physical Space and Virtual Computing
Space. Sensors and Sensor Networks that can capture and disseminate context information. Context-aware Applications that use context information to create intelligent everyday objects and applications. Embedding Computing into everyday objects. Security and privacy to protect access to user context information. Spontaneous interaction where appliances and services can seamlessly interact and interoperate with each other.

**CS 431 Synthesis of Parallel Algorithms (7.5 ECTS)**


**CS 432 Distributed Algorithms (7.5 ECTS)**


**CS 433 Constraint Satisfaction and Programming (7.5 ECTS)**


**CS 434 Logic Programming and Artificial Intelligence (7.5 ECTS)**

Basic principles of Logic programming and Implementation using the Prolog Language. Relation of Logic Programming to modern considerations regarding Artificial Intelligence. Solving Application problems drawn from the fields of Artificial Intelligence and Databases, making use of Logic Programming and Constraint Logic Programming.

**CS 435 Human/Computer Interaction (7.5 ECTS)**

Analysis of the human as a Computer System User (knowledge models, graphical animation, cognitive models). Interactive Technologies (input-output devices, window environments, systems for collaborative support, virtual reality). Methodologies for the Design of Interactive systems.

**CS 442 Computational Learning Systems (7.5 ECTS)**

Introduction to Pattern Recognition, Multilayered Neural Networks and backpropagation learning algorithm, Recurrent Neural Networks, Reinforcement Learning, Hopfield Networks & Boltzmann Machines, Radial Basis Functions, Self-Organising Maps. Survey of the developments in artificial intelligence, machine learning, expert systems, cognitive science, robotics and artificial neural networks, which contributed to the development of the theory of learning systems.

**CS 444 Computational Intelligent Systems (7.5 ECTS)**


**CS 445 Digital Image Processing (7.5 ECTS)**


**CS 446 Advanced Topics in Databases (7.5 ECTS)**


**CS 447 Computer Vision (7.5 ECTS)**

Basic concepts and methodologies relating to the subject of Computer Vision. Image Information, Image Processing, Feature Extraction. Image Segmentation, Clustering, Multiple-image Processing, Case Studies.

**CS 448 Intelligent Agents and Multi-Agent System (7.5 ECTS)**


**CS 450 Computational Biology (7.5 ECTS)**


**CS 451 Data Mining in the WWW**

The primary focus of this course is on examining techniques from data mining to extract useful knowledge from Web data. This course will be focused on a detailed overview of the data mining process and techniques, specifically those that are most relevant to Web mining. Several topics will be covered such as Map-Reduce framework, Web data clustering, classification, association rules, recommendation systems, link analysis, social networks and Web advertising.

**CS 461 Software Validation, Verification and Quality (7.5 ECTS)**

Basic concepts and terminology for validation and verification, reviews, inspections, control (parts, system combination, regression, acceptance, coverage criteria), control of specific
categories of software systems, analyzing problems and documentation. Basic principles of quality factors and quality characteristics of software, methodologies, tools, quality procedures, quality standards, models and quality metrics, quality software production process, quality plan, organize quality assurance process, quality assessment process.

**CS 462 Software Analysis, Modelling and Design (7.5 ECTS)**

Fundamental concepts of software modeling (principles, conditions, properties), modeling languages, virtual models, model types. Early analysis (consistency, sufficiency, accuracy, quality). The role of models in the development and the connection with software development methodologies. Model-driven engineering. The role of software architecture in the software development lifecycle (user needs, design, implementation). The architectural design of a software system. Architectural representation.

**CS 463 Software Reuse (7.5 ECTS)**


**CS 470 Design of Embedded Systems (7.5 ECTS)**


**CS 475 Network and Information Security (7.5 ECTS)**

Introduction to security threats and attacks, Cryptographic Techniques (encryption, cryptanalysis, authentication, confidentiality), Identification and Authentication (Kerberos, PKI), Internet Application Security Protocols (PGP, SSL/TLS), Network Security (Firewalls, IDS), Defending against threats on End-systems, Checking of networks and applications for Vulnerabilities, Other issues in Network and Information Security (privacy, ethics, legal framework).

**CS 476 Wireless Networks (7.5 ECTS)**

Wireless Environment, Interference and other problems in Wireless Communications, Architectures and Technologies of Wireless Networks and Wireless Communication, Wireless Local Area Networks (WLAN), Mobility Management Protocols at the Network layer and at higher layers (transport, application), New Network Technologies (ad-hoc, sensor, vehicular networks). Open research issues and challenges.

**Courses offered to other Departments**

These courses are offered to students of other Departments. The content of such courses is suitably determined so that students of other disciplines may appreciate the significance of Computer Science, its relationship to other disciplines, and the potential benefits it offers. Each of the courses for other Departments carries 5, 6 or 7 ECTS units. The courses may be offered every semester or in parallel classes, depending on the needs and capabilities.

**CS 001 Introduction to Computer Science (6 ECTS)**

Fundamentals of Computer Science, the main historical events which have contributed to its development, and the possibilities it offers. Basic constituent elements of Computer Science and methods for making it valuable to other sciences and applications. Practical experience with Application Packages, basics of programming, and programming in a fourth generation language such as Logo.

**CS 002 Introduction to Computer Science (5 ECTS)**

Fundamentals of Computer Science, the main historical events which have contributed to its development, and the possibilities it offers. Basic constituent elements of Computer Science, methods for making it valuable to other sciences and applications. Practical experience with Application Packages, basics of programming, and programming in a fourth Generation Language.

**CS 003 Computer Science and Information Systems (6 ECTS)**

Fundamentals of Computer Science, the main historical events which have contributed to its development and the possibilities it offers. Basic constituent elements of Computer Science, methods for making it valuable to other sciences and applications. Practical experience with Application Packages, basics of programming, and programming in a fourth Generation Language such as Logo.

**CS 011 Introduction to Information Society (6 ECTS)**

Presentation of the formed framework for Information Society (IST). Basic concepts and Constituent Elements of IST and the wider context for its application. Issues such as electronic government, telematics, digital business, electronic commerce, telemedicine, etc. Effects of IST on society and economy.

**CS 012 Web Design Technologies (6 ECTS)**


**CS 031 Introduction to Programming (7 ECTS)**

CS 032 Introduction to Computer Science and Information Systems (6 ECTS)

Introduction to the Principles of Programming with emphasis on structured programming, abstraction, and the design, implementation, checking and debugging of modular programmes. Mastering the material through laboratory exercises in the C Programming Language.

CS 033 Introduction to Programming for Electrical and Computer Engineers (5 ECTS)

Basic Principles of Programming with emphasis on structured programming, abstraction, design, implementation, checking and debugging of modular programmes. Mastering of the material through laboratory exercises in a traditional Programming Language such as C.

CS 034 Introduction to Programming Principles for Electrical and Computer Engineers (7 ECTS)

Introduction to computers and programming languages. Problem solving and programming, problem specification, algorithms and programs, modular programming, program and data abstraction. Software development process, top-down design, problem decomposition, reuse, trial and debugging. Variables, operators and expressions, constants, library usage. Input/Output operations. Procedures, parameters, calls, value or address referral. Program flow, variables' scope, lifecycle of variables/function calls, program's state. Procedural programming, algorithmic structures, memory. Synthesized and enumerated data types, arrays, structures, pointers. Introduction to dynamic memory allocation.

CS 035 Data Structures and Algorithms for Electrical and Computer Engineers (7 ECTS)


CS 041 e-Health and Medical Informatics (6 ECTS)

Introduction to the e-health environment and the appropriate operating framework. Legislative regulatory and social background needed for its materialization. The importance of information technology in extracting useful information from vast medical databases. Applications of computer systems used for the movement of medical knowledge, medical information management, appropriate use of the citizen electronic folder to assist patients and to support a medical decision. Reference to the legal framework that regulates the medical practice, in accordance with European and international directives.
## Programme of Studies - Computer Science: General Direction

### 1st Semester

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<td>CS 222</td>
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RESTRICTED ELECTIVE COURSES - COMPUTER SCIENCE: GENERAL DIRECTION

CS 362  Software Engineering II  
CS 363  Professional Practice in Software Engineering  
CS 371  Systems Programming  
CS 372  Parallel Processing  
CS 375  Advanced Networks  
CS 412  Logic in Computer Science  
CS 413  Computational Geometry  
CS 425  Internet Technologies  
CS 426  Computer Graphics  
CS 431  Synthesis of Parallel Algorithms  
CS 432  Distributed Algorithms  
CS 433  Constraint Satisfaction and Programming  
CS 434  Logic Programming and Artificial Intelligence  
CS 442  Computational Learning Systems  
CS 444  Computational Intelligence Systems  
CS 445  Digital Image Processing  
CS 446  Advanced Topics in Databases  
CS 447  Computer Vision  
CS 448  Intelligent Agents and Multi-Agent Systems  
CS 450  Computational Biology  
CS 463  Software Reuse

PROGRAMME OF STUDIES - DIRECTION OF COMPUTER SYSTEMS AND NETWORKS

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<td>MAS 016</td>
<td>Linear Algebra I for Computer Science</td>
<td>6</td>
</tr>
<tr>
<td>MAS 055</td>
<td>Introduction to Probability and Statistics</td>
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4th Semester

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CS 211</td>
<td>Theory of Computation and Complexity</td>
<td>7.5</td>
</tr>
<tr>
<td>CS 222</td>
<td>Operating Systems</td>
<td>7.5</td>
</tr>
<tr>
<td>CS 233</td>
<td>Object-Oriented Programming</td>
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</tr>
<tr>
<td>CS 241</td>
<td>Systems Analysis and Design</td>
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5th Semester

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<tbody>
<tr>
<td>CS 324</td>
<td>Communications and Networks</td>
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<tr>
<td>CS 342</td>
<td>Database Systems</td>
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<tr>
<td>CS 370</td>
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6th Semester

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<tbody>
<tr>
<td>CS 371</td>
<td>Systems Programming</td>
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<tr>
<td>CS 372</td>
<td>Parallel Processing</td>
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<tr>
<td>CS 375</td>
<td>Advanced Networks</td>
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7th Semester

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<td>CS 400</td>
<td>Diploma Project I</td>
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<td>Restricted Elective Course within the Direction</td>
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<tr>
<td>Restricted Elective Course within the Direction</td>
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<td></td>
</tr>
<tr>
<td>Restricted Elective Course - 300 or 400 type in Computer Science</td>
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8th Semester

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<td></td>
</tr>
<tr>
<td>Restricted Elective Course - 300 or 400 type in Computer Science</td>
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<td></td>
</tr>
<tr>
<td>Elective Course</td>
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<td>SEMESTER</td>
<td>CURRICULUM</td>
<td>ECTS</td>
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<tr>
<td>1st Semester</td>
<td>CS 111 Discrete Structures in Computer Science and Computation</td>
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<td>CS 131 Programming Principles I</td>
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<td>MAS 012 Calculus for Computer Scientists I</td>
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<td>LAN 100 General Advanced English</td>
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<td></td>
<td>PBA 101 Principles of Management</td>
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<td>CS 121 Digital Systems</td>
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<tr>
<td>2nd Semester</td>
<td>CS 132 Programming Principles II</td>
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<td>MAS 013 Calculus for Computer Scientists II</td>
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<td>LAN 111 English for Computer Science</td>
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<td></td>
<td>Elective Course from Departments of Physics, Chemistry, Biological Sciences</td>
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<td>CS 202 Explorations into Computer Science</td>
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<tr>
<td>3rd Semester</td>
<td>CS 221 Computer Organization and Assembly Programming</td>
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<tr>
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<td>CS 231 Data Structures and Algorithms</td>
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</tr>
<tr>
<td></td>
<td>MAS 016 Linear Algebra I for Computer Science</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>MAS 055 Introduction to Probability and Statistics</td>
<td>7</td>
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<tr>
<td></td>
<td>TOTAL</td>
<td><strong>30</strong></td>
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<tr>
<td></td>
<td>CS 211 Theory of Computation and Complexity</td>
<td>7,5</td>
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<tr>
<td>4th Semester</td>
<td>CS 222 Operating Systems</td>
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<td>CS 233 Object Oriented Programming</td>
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</tr>
<tr>
<td></td>
<td>CS 241 Systems Analysis &amp; Design</td>
<td>7,5</td>
</tr>
<tr>
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</table>

*Note: Students may select a course (6 ECTS) offered by the Department of Electrical and Computer Engineering as one of the required Restricted Elective courses of the direction. In order to cover the remaining 1.5 ECTS, students will have to take an Independent Study course.*
## INDICATIVE PROGRAMME DIRECTION SOFTWARE ENGINEERING

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5th Semester</strong></td>
<td>CS 324 Communications and Networks</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td>CS 342 Database Systems</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td>CS 361 Software Engineering I</td>
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</tr>
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<td></td>
<td>Elective Course</td>
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<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>27.5</strong></td>
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<tr>
<td></td>
<td>CS 362 Software Engineering II</td>
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<tr>
<td><strong>6th Semester</strong></td>
<td>CS 363 Professional Practice in Software Engineering</td>
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</tr>
<tr>
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<td>CS 371 Systems Programming</td>
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<td>Elective Course</td>
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<tr>
<td></td>
<td>Elective Course</td>
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<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>32.5</strong></td>
</tr>
<tr>
<td></td>
<td>CS 400 Diploma Project I</td>
<td>7.5</td>
</tr>
<tr>
<td><strong>7th Semester</strong></td>
<td>Restricted Elective Course within the Direction (Group A)</td>
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<tr>
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<td>Restricted Elective Course within the Direction (Group A or Group B)</td>
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<tr>
<td></td>
<td>Restricted Elective Course - 300 or 400 type Computer Science</td>
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<tr>
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<td>CS 401 Diploma Project II</td>
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<td><strong>8th Semester</strong></td>
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<tr>
<td></td>
<td>Restricted Elective Course - 300 or 400 type Computer Science</td>
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<tr>
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</tr>
<tr>
<td></td>
<td><strong>GRAND TOTAL</strong></td>
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</tr>
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</table>

### ELECTIVE COURSES IN SOFTWARE ENGINEERING (GROUP A)

- CS 461 Software Validation, Verification and Quality
- CS 462 Software Analysis, Modelling and Design
- CS 463 Software Reuse

### ELECTIVE COURSES IN SOFTWARE ENGINEERING (GROUP B)

- CS 323 Theory and Practice of Compilers
- CS 336 Algorithms and Complexity
- CS 372 Parallel Processing
- CS 425 Internet Technologies
- CS 431 Synthesis of Parallel Algorithms
- CS 432 Distributed Algorithms
- CS 435 Human Computer Interaction
- CS 446 Advanced Topics in Databases
- CS 448 Intelligent Agents and Multi-Agent Systems
- CS 451 Data Mining in the World Wide Web
OBJECTIVES

The famous Platonic inscription “let no one ignorant of geometry enter” has been adopted, directly or indirectly, by all universities in the world and, appropriately, the Department of Mathematics and Statistics was one of the departments with which the University of Cyprus commenced its operation in 1992. The primary aim of the Department is the promotion, through scientific research and teaching, of the Mathematical Sciences.

The achievement of this aim is inextricably linked with the need to produce well-trained scientists who will contribute to the continuation of the cultural and economic progress of Cyprus. Because of the pivotal role of Mathematics and Statistics in Science, it is necessary to create a department of high calibre.

Important steps in achieving this ambition are the development of links with corresponding institutions abroad and the creation of high-level programmes of study. The undergraduate programme started in September 1992.

The Department of Mathematics and Statistics offers two undergraduate degree programmes:

- Bachelor in Mathematics and Statistics
- Bachelor in Mathematics
  - Specialisation in Applied Mathematics
  - Specialisation in Pure Mathematics

PROGRAMME OF STUDY

The curriculum is divided into four levels and six groups. Level 101-199 corresponds mainly to courses of the first year of studies, level 201-299 corresponds mainly to courses of the second year of studies, level 301-399 corresponds mainly to courses of the third year of studies, and finally, level 401-499 corresponds mainly to courses of the fourth year of studies. Level 001-099 corresponds to service courses (see Table B) and are not open to Mathematics or Statistics majors (except MAS 007 & MAS 099; see Degree Requirements).

The six groups into which the courses are divided correspond approximately to the following areas of Mathematics: Analysis, Algebra, Geometry, Probability/Statistics, Numerical Analysis and Applied Mathematics. The second digit of the course number determines the area...
of mathematics that the course belongs to. The characteristic digit (second digit of course number) of the six areas are 0 & 1, 2, 3, 5 & 6, 7 and 8, respectively, and they appear in Table A.

**DEGREE REQUIREMENTS**

The degree in Mathematics or Mathematics and Statistics requires 240 ECTS obtained from the following courses:

1) **17 Compulsory Courses for all students**
   (see Table A)
   - MAS 101 Calculus I
   - MAS 102 Calculus II
   - MAS 121 Linear Algebra I
   - MAS 122 Linear Algebra II
   - MAS 131 Basic Mathematics
   - MAS 191 Mathematics with Computers
   - MAS 202 Multivariate Integral Calculus
   - MAS 203 Ordinary Differential Equations
   - MAS 211 Multivariate Differential Calculus
   - MAS 261 Introduction to Probability
   - MAS 262 Introduction to Statistics
   - MAS 271 Numerical Analysis I
   - MAS 301 Real Analysis
   - MAS 302 Complex Analysis I
   - MAS 331 Classical Differential Geometry
   - Two courses from the following three:
     - MAS 303 Partial Differential Equations
     - MAS 304 Functional Analysis
     - MAS 371 Numerical Analysis II

2) **Course CS 031 Introduction to Programming**
   (7 ECTS)

3) **15-25 ECTS must be Elective Courses from other departments**
   These courses should be from three different faculties. Only one first-level foreign language course can be chosen as an “Elective Course”; unless the student is registered for at least 2 levels of the same foreign language.

4) **Students are required to take two foreign language courses (in any language)**

5) **Nine courses according to the areas of specialisation:**

   **(a) Specialisation: Degree in Mathematics and Statistics**
   - MAS 350 Stochastic Processes
   - MAS 361 Probability Theory
   - MAS 362 Theory of Statistics
   - MAS 451 Linear Models I
   - MAS 452 Linear Models II
   **Selection of at least seven courses from the list:**
   - MAS 454 Nonparametric Statistics
   - MAS 455 Sampling Theory
   - MAS 456 Time Series
   - MAS 458 Statistical Data Analysis
   - MAS 459 Multivariate Analysis
   - MAS 466 Survival Analysis
   - MAS 468 Topics in Probability-Statistics I
   - MAS 469 Topics in Probability-Statistics II
   The remaining two courses may be in any area of specialisation.

   **(b) Specialisation: Degree in Mathematics**
   - **Pure Mathematics**
     - PHY 111 General Physics I
     - MAS 321 Introduction to Algebra
     - MAS 433 Introduction to Algebraic Topology
   - The remaining six courses may be in any area of specialisation.
   - **Applied Mathematics**
     - PHY 111 General Physics I
     - Selection of at least three courses from the list:
       - MAS 403 Ordinary Differential Equations II
       - MAS 420 Approximation Theory
       - MAS 471 Numerical Solution of Ordinary Differential Equations
     - MAS 472 Numerical Solution of Partial Differential Equations
     - MAS 473 Finite Element Methods
     - MAS 481 Applied Mathematical Analysis
     - MAS 482 Classical Mechanics
     - MAS 483 Fluid Mechanics
   - The remaining five courses may be in any area of specialisation.

**NOTES:**

- Students choose their area of specialisation during the fall semester of their second year of studies. Students who wish to change their specialisation, must submit a written request to the Chairman of the Department before the
beginning of the semester in which they wish this change to take effect.

- At most two elective courses within the Department may be substituted, in exceptional cases and during the last year of studies, by graduate courses. In this case, a grade average of at least 8.5 in the departmental courses as well as the approval of the Instructor and the Academic Advisor are required.

- Students can complete their studies with more than 240 ECTS depending on the elective courses, within and outside of the Department, that they choose to take.

- Indicative programmes of study for the Degree in Mathematics with emphasis in Pure Mathematics and with emphasis in Applied Mathematics and for the Degree in Mathematics and Statistics are given in Tables C1, C2 and C3, respectively.

- At most two of the elective courses from other departments could be substituted by MAS 007 History of Mathematics (5 ECTS), MAS 099 Introduction to Basic Notions in Mathematics (5 ECTS), MAS 499 Independent Study (7 ECTS), MAS 857* and MAS 858* Mathematical Problem Solving Techniques (4 ECTS). In this case, the electives from other departments are reduced accordingly.

- Please note that the minimum number of ECTS that a student is required to complete in electives from other departments is 15 ECTS.

MINOR PROGRAMME OF STUDY

The requirements for the minor in Mathematics are the successful completion of eight courses which must include the courses: MAS 101, MAS 102, MAS 121, MAS 131, MAS 261 or MAS 262, MAS 271, MAS 007 and an additional course of 7 ECTS.

COURSE DESCRIPTIONS

MAS 101 Calculus I (8 ECTS)

Properties of real numbers. The supremum and infimum of a set and their basic properties. Sequences, limits of sequences, properties of convergent sequences, subsequences, basic theorems, nested intervals Property (briefly covered). Functions, limits of functions, sequential definition of limits. Continuous functions, intermediate value Theorem, extreme value Theorem, continuity of inverse functions, uniform continuity. Derivatives, basic theorems, derivatives of inverse functions, graphs of functions, Rolle's Theorem, Cauchy's mean value Theorem, l' Hospital's rule.

MAS 102 Calculus II (8 ECTS)

Required essential knowledge: MAS 101


MAS 121 Linear Algebra I (8 ECTS)

Brief introduction to algebraic structures - definition (together with some basic properties that are necessary in what follows) of a group, ring and field. The algebra of matrices, invertible matrices, reduced echelon form of a matrix and linear systems of equations. Vector spaces, base, dimension. Linear maps, matrix of a linear map, change of basis matrix, rank of a matrix. Determinants. The set of solutions of a linear system.

MAS 122 Linear Algebra II (8 ECTS)

Required essential knowledge: MAS 101


MAS 131 Basic Mathematics (8 ECTS)


MAS 191 Mathematics with Computers (8 ECTS)


MAS 202 Multivariate Integral Calculus (8 ECTS)

Integrals of continuous functions with compact support (on \( \mathbb{R}^n \)), step functions. Theorem of transformation of variables (for linear and \( C^1 \)-invertible transformations). Integrable functions and sets, properties. Computation of volumes, Fubini's Theorem, Cavalieri's Principle (i.e. sphere, cylinder, cone). Convergence theorems (interchangeability of limit and integral). Transformations theorems (without proof), applications. Parametrised surfaces, partition of unity. Surface and curve integrals (computation of area of surfaces). Differential forms, Stokes' Theorem (Green, Gauss, Stokes), applications.

MAS 203 Ordinary Differential Equations (8 ECTS)

Basic notions. Solution techniques for first-order equations and physical applications. Theorems of Existence and Uniqueness. Linear systems and exponential of matrices. Higher order linear

MAS 211 Multivariate Differential Calculus (8 ECTS)
Vector valued functions of one variable (differentiation, arc length, parameter transformations). Partial derivatives (of all orders), vector fields (divergence, curl), Laplace operator. Total differential (directional derivative, differentiability criterion, computational rules, chain rule, etc). Mean value Theorem, differentiation of integrals with respect to a parameter. Taylor’s Theorem, local extrema. Implicit and inverse function Theorem. Conditional extrema (Lagrange multipliers).

MAS 222 Number Theory (7 ECTS)
Divisibility in the integers, Euclidean algorithm. Prime numbers and their distribution. Congruences modulo n, Fermat’s Little Theorem, quadratic reciprocity law. Perfect numbers, representations of integers as sums of continued fractions, Pell’s equation.

MAS 261 Introduction to Probability (8 ECTS)

MAS 262 Introduction to Statistics (8 ECTS)

MAS 271 Numerical Analysis I (8 ECTS)
Propagation and estimation of errors in floating-point arithmetic. The solution of nonlinear equations: Fixed-point iteration, the Newton and the secant method, the bisection and the Regula Falsi methods. Solution of linear systems: Direct methods (Gauss elimination and LU-decomposition). Cholesky’s method for symmetric and positive definite systems, the computation of the determinant and the inverse of an nxn matrix, the least squares method for over-determined systems. Lagrange and Hermite interpolation: Existence, uniqueness and interpolation error. Newton-Cotes Quadrature Rules, the Trapezoid and the Simpson Rules, Composite Rules.

MAS 301 Real Analysis (8 ECTS)

MAS 302 Complex Analysis I (8 ECTS)

MAS 303 Partial Differential Equations (7 ECTS)

MAS 304 Functional Analysis (7 ECTS)
Metric spaces: examples and elements of the theory of metricspaces. Banach spaces: Norm, dimension and compactness, bounded operators, linear functionals, dual space, the spaces lp, 1 ≤ p ≤ ∞, Hilbert spaces: Inner products, orthogonal sums,orthonormal bases, the Riesz representation theorem, the adjointoperator, self – adjoint, unitary and normal operators. Fundamental theorems for Banach spaces: the Hahn–Banach theorem, reflexive spaces, the uniform boundedness theorem, weak and strong convergence, the open mapping and closedgraph theorems. Applications: The fixed point theorem and itsapplications to the theory of linear, integral and diferentialequations, applications to the theory of approximation.

MAS 321 Introduction to Algebra (7 ECTS)

MAS 331 Classical Differential Geometry (8 ECTS)

MAS 350 Stochastic Processes (7 ECTS)
Required essential knowledge: MAS 261
Basic concepts, continuous and discrete time Markov processes, birth and death processes, Poisson processes, introduction to martingales, Brownian motion.

MAS 361 Probability Theory (8 ECTS)
Measure spaces and σ-algebras, stochastic independence, measurable functions and random variables, distribution functions, Lebesgue integral and mean value, convergence of sequences of random variables, Laws of large numbers, characteristic function, central limit theorems, conditional probability, conditional mean value.

MAS 362 Theory of Statistics (7 ECTS)
Stochastic convergence, asymptotic properties of method of moment estimators and maximum likelihood estimators, asymptotic normality and efficiency, hypothesis testing, asymptotic properties and efficiency of tests.
MAS 371 Numerical Analysis II (7 ECTS)

MAS 401 Measure Theory and Integration (7 ECTS)
Sets, orderings, cardinality, metric spaces. Measures, algebras of sets and σ-algebras, of sets additive and σ-additive measures, outer measures, Borel measures on the real line. Integration: measurable functions, integration of positive functions, integration of complex valued functions, types of convergence, product measures, the n-dimensional Lebesgue integral, integration in polar coordinates. Signed measures, the Radon–Nikodym Theorem, complex measures, differentiation on Euclidean space, functions of bounded variation. L^1 Spaces: The basic theory, the dual of L^1, the useful inequalities, the distribution function, weak – L^1 spaces, interpolation theorems.

MAS 402 Complex Analysis II (7 ECTS)

MAS 403 Ordinary Differential Equations II (7 ECTS)

MAS 418 Introduction to Fourier Analysis (7 ECTS)

MAS 419 Topics in Analysis (7 ECTS)
Topics in Real Analysis, Complex Analysis, Harmonic Analysis or Differential Equations.

MAS 420 Approximation Theory (7 ECTS)

MAS 422 Introduction to Coding Theory (7 ECTS)

MAS 424 Theory of Rings and Modules (7 ECTS)

MAS 425 Group Theory (7 ECTS)

MAS 426 Galois Theory (7 ECTS)

MAS 427 Group Representation Theory (7 ECTS)
Representations. FG - modules, FG - submodules, FG - homomorphisms. Maschke’s Theorem and Schur’s Lemma. Irreducible modules. The group algebra, the centre of the group algebra. Characters, relation between characters and representations.

MAS 429 Special Topics in Algebra (7 ECTS)
Topics from Algebra.

MAS 431 Introduction to Differentiable Manifolds (7 ECTS)

MAS 432 Introduction to Riemannian Geometry (7 ECTS)

MAS 433 Introduction to Algebraic Topology (7 ECTS)

MAS 434 Algebraic Topology (7 ECTS)

MAS 439 Topics in Geometry (7 ECTS)
Topics in Differential Geometry, Algebraic Geometry and Algebraic Topology.

MAS 451 Linear Models I (7 ECTS)
Required essential knowledge: MAS 121

MAS 452 Linear Models II (7 ECTS)
Required essential knowledge: MAS 451
Analysis of variance with one or more fixed-effects. Analysis of variance with one or more random-effects, analysis of covariance.
Generalised Linear Models: estimation (for example) in logistic or logarithmic regression, asymptotic properties.

MAS 454 Nonparametric Statistics (7 ECTS)

MAS 455 Sampling Theory (7 ECTS)

MAS 456 Time Series (7 ECTS)

MAS 458 Statistical Data Analysis (7 ECTS)

MAS 459 Multivariate Analysis (7 ECTS)
Multivariate Normal Distribution, estimation of the mean vector and the covariance matrix, maximum likelihood estimation. correlation coefficient, partial correlation coefficient and their distribution. \( T^2 \)-statistic and its distribution, \( T^2 \)-tests. Distribution of the sample covariance matrix, Wishart distribution, principal components, canonical correlations, cluster and discriminant analysis. Introduction to multivariate analysis of variance: Parameter estimation and tests.

MAS 466 Survival Analysis (7 ECTS)

MAS 468 Topics in Probability-Statistics I (7 ECTS)
Topics from Probability and Statistics.

MAS 469 Topics in Probability-Statistics II (7 ECTS)
Topics from Probability and Statistics.

MAS 471 Numerical Solution of Ordinary Differential Equations (7 ECTS)

MAS 472 Numerical Solution of Partial Differential Equations (7 ECTS)
First and second order hyperbolic PDEs, the method of characteristics, finite difference techniques, the finite element method. Parabolic PDEs, methods for the solution of the one- and two-dimensional heat equation. Elliptic PDEs, finite difference methods for Poisson and Laplace problems.

MAS 473 Finite Element Methods (7 ECTS)

MAS 481 Applied Mathematical Analysis (7 ECTS)

MAS 482 Classical Mechanics (7 ECTS)

MAS 483 Fluid Mechanics (7 ECTS)

MAS 484 Introduction to Mathematical Modelling (7 ECTS)
This course emphasises the role of mathematical modelling as a tool for learning and appreciating mathematical techniques. Applications are drawn from diverse areas such as discrete dynamical systems, graphs and networks, linear programming. Extensive use of computer software is made throughout the course.

MAS 499 Independent Study (7 ECTS)
An independent study with sufficient elements of initiative and novelty under the guidance of a faculty member.

MAS 857, MAS 858 Mathematical Problem Solving Techniques (4 ECTS)
This course is geared toward undergraduate students interested in mathematical problem solving. It will also prepare students who plan to participate in mathematical Olympiads. Emphasis will be given on problem solving techniques, creative thought and exposition skills. A variety of solving techniques will be introduced followed by a number of examples and problems. The problems will cover various areas of mathematics such as Algebra, Analysis, Combinatorics, Number Theory, Geometry, etc.

This is an elective course, but it will be taken into serious consideration (or will be mandatory) in the selection of students representing the Department in international mathematical competitions.

Courses offered to other Departments

MAS 001 Mathematics I (6 ECTS)

MAS 002 Mathematics II (6 ECTS)
MAS 004 Introductory Mathematics for Physics (8 ECTS)

MAS 005 Introductory Mathematics for Physics II (7.5 ECTS)

MAS 006 Complex Analysis for Physics Majors (7.5 ECTS)

MAS 007 History of Mathematics (5 ECTS)
Topics from ancient Greek mathematics, the middle ages and the modern era.

MAS 012 Calculus for Computer Scientists II (5 ECTS)

MAS 013 Calculus for Computer Scientists II (5 ECTS)

MAS 014 Introductory Mathematics I (6 ECTS)

MAS 015 Introductory Mathematics II (6 ECTS)

MAS 016 Linear Algebra for Computer Science (6 ECTS)

MAS 021 Calculus I (6 ECTS)

MAS 022 Calculus II (6 ECTS)
Integration and applications (continuation from MAS 021): techniques of integration, integration by parts, partial fractions, powers and products of sine and cosine, trigonometric powers, integration of $\sqrt{a^2+x^2}$ and $\sqrt{x^2+a^2}$ rational functions of $\sin x$ and $\cos x$. Sequences, series, convergence of a series, integration and comparison tests, absolute convergence, alternating series. Power series, Taylor and Maclaurin series. Polar coordinates. Area in polar coordinates, parametric equations. Arc length and velocity on a curve. Area of a surface of revolution. Vectors, algebra of vectors, vectors in space, dot product and cross product. Lines and planes. Functions of several variables, graphs of equations and level curves, partial derivatives, tangent planes and differentials, chain rule, directional derivatives, gradient, divergence, curl, critical points and extrema.

MAS 023 Linear Algebra and Topics in Multivariable Calculus (6 ECTS)

MAS 024 Ordinary Differential Equations (6 ECTS)
equations and stability analysis: Phase planes and stability, Liapunov's method.

**MAS 031 Calculus I (5 ECTS)**
The real number system. Sequences of real numbers, limits. Functions of a real variable; Limits of functions. Continuous functions. Differentiation and applications. Riemann integrability, the Fundamental Theorem of Calculus. Series. Taylor's Theorem, power series.

**MAS 032 Linear Algebra (5 ECTS)**

**MAS 033 Engineering Mathematics (5 ECTS)**

**MAS 034 Probability and Statistics for Engineers (5 ECTS)**

**MAS 041 Calculus for MME (6 ECTS)**
Same description as MAS 031.

**MAS 042 Linear Algebra for MME (6 ECTS)**
Same description as MAS 032.

**MAS 043 Engineering Mathematics for MME (6 ECTS)**
Same description as MAS 033.

**MAS 044 Probability and Statistics for Engineers (6 ECTS)**
Same description as MAS 034.

**MAS 051 Statistical Methods (5 ECTS)**
Descriptive statistics, probability, binomial distribution, normal distribution, sampling, confidence intervals, hypothesis testing, correlation, regression analysis, introduction to analysis of variance.

**MAS 055 Introduction to Probability and Statistics (5 ECTS)**
<table>
<thead>
<tr>
<th>Course Title</th>
<th>ECTS</th>
<th>Pure Mathematics</th>
<th>Applied Mathematics</th>
<th>Statistics</th>
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<td>MAS 131 Basic Mathematics</td>
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<td>MAS 191 Mathematics with Computers</td>
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<td>MAS 203 Ordinary Differential Equations I</td>
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<td>MAS 303 Partial Differential Equations</td>
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<td>MAS 331 Classical Differential Geometry</td>
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<td>MAS 350 Stochastic Processes</td>
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<td>MAS 401 Measure Theory and Integration</td>
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<td>MAS 403 Ordinary Differential Equations II</td>
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<td>MAS 418 Introduction to Fourier Analysis</td>
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<td>MAS 419 Topics in Analysis</td>
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<td>MAS 420 Approximation Theory</td>
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<td>MAS 422 Introduction to Coding Theory</td>
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<td>MAS 424 Theory of Rings and Modules</td>
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<td>MAS 425 Theory of Groups</td>
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<td>MAS 426 Galois Theory</td>
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<td>MAS 431 Introduction to Differentiable Manifolds</td>
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<td>MAS 432 Introduction to Riemannian Geometry</td>
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<tr>
<td>MAS 433 Introduction to Algebraic Topology</td>
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<td>MAS 434 Algebraic Topology</td>
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<tr>
<td>MAS 439 Topics in Geometry</td>
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<tr>
<td>MAS 451 Linear Models I</td>
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<td>MAS 452 Linear Models II</td>
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<tr>
<td>MAS 454 Nonparametric Statistics</td>
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<td>MAS 455 Sampling Theory</td>
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### TABLE A: COURSES FOR STUDENTS OF MATHEMATICS AND STATISTICS

<table>
<thead>
<tr>
<th>Course Title</th>
<th>ECTS</th>
<th>Pure Mathematics</th>
<th>Applied Mathematics</th>
<th>Statistics</th>
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<td>MAS 456 Time Series</td>
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<td>MAS 458 Statistical Data Analysis</td>
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<td>MAS 459 Multivariate Analysis</td>
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<td>MAS 466 Survival Analysis</td>
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<td>MAS 468 Topics in Probability–Statistics I</td>
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<td>MAS 469 Topics in Probability–Statistics II</td>
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<td>MAS 471 Numerical Solution of Ordinary Differential</td>
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<td>Equations</td>
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<tr>
<td>MAS 472 Numerical Solution of Partial Differential</td>
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<td>Equations</td>
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<tr>
<td>MAS 473 Finite Element Method</td>
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<td>MAS 481 Applied Mathematical Analysis</td>
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<tr>
<td>MAS 482 Classical Mechanics</td>
<td>7</td>
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<td>●</td>
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<tr>
<td>MAS 483 Fluid Mechanics</td>
<td>7</td>
<td></td>
<td></td>
<td>●</td>
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<tr>
<td>MAS 484 Introduction to Mathematical Modelling</td>
<td>7</td>
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<td></td>
<td>●</td>
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<tr>
<td>MAS 499 Independent Study</td>
<td>7</td>
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<tr>
<td>MAS 857/MAS 858 Mathematical Problem Solving Techniques</td>
<td>4</td>
<td>★</td>
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</tbody>
</table>

**Notes:**
- * = The Course does not have a typical course code since students can register for it at any time during their studies
- ▲ = Compulsory Course
- ● = At least three out of eight courses are to be selected
- ★ = Two out of eight courses are to be selected
- + = Two out of three courses are to be selected
- ▶ = It can replace an Elective Course from other departments

Courses with no symbol within an area of specialisation are considered Departmental Elective Courses.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Department</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>MAS 001  Mathematics I</td>
<td>ECO, PBA, BIO</td>
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<tr>
<td>MAS 002  Mathematics II</td>
<td>PBA</td>
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<tr>
<td>MAS 004  Introductory Mathematics for Physics I</td>
<td>PHY</td>
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<tr>
<td>MAS 005  Introductory Mathematics for Physics II</td>
<td>PHY</td>
<td>7,5</td>
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<tr>
<td>MAS 006  Complex Analysis for Physics Majors</td>
<td>PHY</td>
<td>7,5</td>
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<tr>
<td>MAS 007  History of Mathematics</td>
<td>MAS ▶, «Ε»*</td>
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<tr>
<td>MAS 012  Calculus for Computer Scientists I</td>
<td>CS</td>
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<tr>
<td>MAS 013  Calculus for Computer Scientists II</td>
<td>CS</td>
<td>5</td>
</tr>
<tr>
<td>MAS 014  Introductory Mathematics I</td>
<td>CHE</td>
<td>6</td>
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<tr>
<td>MAS 015  Introductory Mathematics II</td>
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<tr>
<td>MAS 016  Linear Algebra for Computer Science</td>
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<tr>
<td>MAS 021  Calculus I</td>
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</tr>
<tr>
<td>MAS 022  Calculus II</td>
<td>ECE</td>
<td>6</td>
</tr>
<tr>
<td>MAS 023  Linear Algebra and Topics in Multivariate Calculus</td>
<td>ECE</td>
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<tr>
<td>MAS 024  Ordinary Differential Equations</td>
<td>ECE</td>
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<td>MAS 031  Calculus I</td>
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<tr>
<td>MAS 032  Linear Algebra</td>
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<tr>
<td>MAS 033  Engineering Mathematics</td>
<td>CEE</td>
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</tr>
<tr>
<td>MAS 034  Probability and Statistics for Engineers</td>
<td>CEE</td>
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<td>MAS 041  Calculus for MME</td>
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<tr>
<td>MAS 042  Linear Algebra for MME</td>
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<td>MAS 043  Engineering Mathematics for MME</td>
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<tr>
<td>MAS 044  Probability and Statistics for Engineers</td>
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<tr>
<td>MAS 051  Statistical Methods</td>
<td>EDU, SPS, PSY</td>
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<tr>
<td>MAS 055  Introduction to Probability and Statistics</td>
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<td>MAS 061  Statistical Analysis I</td>
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<td>MAS 062  Statistical Analysis II</td>
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<td>MAS 066  Biostatistics</td>
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<tr>
<td>MAS 099  Introduction to Basic Notions in Mathematics</td>
<td>MAS ▶, «Ε»</td>
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</table>

**Notes:**

«Ε» = Free Elective Course
▶ = It may replace one Free Elective from other departments for MATH majors
### TABLE C1: INDICATIVE PROGRAMME OF STUDIES – PURE MATHEMATICS

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>ECTS</th>
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<tbody>
<tr>
<td><strong>1st Semester</strong></td>
<td>MAS 101 Calculus I</td>
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<td>MAS 121 Linear Algebra I</td>
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<td>MAS 131 Basic Mathematics</td>
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<td>Foreign Language Course I</td>
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<td><strong>TOTAL</strong></td>
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<tr>
<td><strong>2nd Semester</strong></td>
<td>MAS 102 Calculus II</td>
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<td>MAS 122 Linear Algebra II</td>
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<td>MAS 191 Mathematics with Computers</td>
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<td>CS 031 Introduction to Programming</td>
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<tr>
<td><strong>3rd Semester</strong></td>
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<td>MAS 261 Introduction to Probability</td>
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<td>MAS 271 Numerical Analysis I</td>
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<td>Foreign Language Course II</td>
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<td><strong>4th Semester</strong></td>
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<td>MAS 203 Ordinary Differential Equations I</td>
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<td>MAS 262 Introduction to Statistics</td>
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<td>PHY 111 General Physics I</td>
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<td><strong>6th Semester</strong></td>
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<td>MAS XX* Elective Course within the Department</td>
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<td>Elective Course I** (e.g. MAS 304 Functional Analysis)</td>
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<td><strong>7th Semester</strong></td>
<td>MAS 433 Introduction to Algebraic Topology</td>
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<td>MAS XX* Elective Course within the Department</td>
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<td>Elective Course from other Departments</td>
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<td><strong>TOTAL</strong></td>
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<tr>
<td><strong>8th Semester</strong></td>
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<td>Elective Course from other Departments</td>
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**Notes:**

* MAS XX = Elective Course within the Department

** Selection of at least two courses from the list below:

- MAS 304 Functional Analysis
- MAS 303 Partial Differential Equations
- MAS 371 Numerical Analysis II
### TABLE C2: INDICATIVE PROGRAMME OF STUDIES – APPLIED MATHEMATICS

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<tr>
<th>Semester</th>
<th>Course Code</th>
<th>ECTS</th>
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</thead>
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<tr>
<td><strong>1st Semester</strong></td>
<td>MAS 101 Calculus I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 121 Linear Algebra I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 131 Basic Mathematics</td>
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<tr>
<td></td>
<td>Foreign Language Course I</td>
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<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>29</strong></td>
</tr>
<tr>
<td><strong>2nd Semester</strong></td>
<td>MAS 102 Calculus II</td>
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<tr>
<td></td>
<td>MAS 122 Linear Algebra II</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 191 Mathematics with Computers</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>CS 031 Introduction to Programming</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>31</strong></td>
</tr>
<tr>
<td><strong>3rd Semester</strong></td>
<td>MAS 211 Multivariate Differential Calculus</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 261 Introduction to Probability</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 271 Numerical Analysis I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Foreign Language Course II</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>29</strong></td>
</tr>
<tr>
<td><strong>4th Semester</strong></td>
<td>MAS 202 Multivariate Integral Calculus</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 203 Ordinary Differential Equations I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 262 Introduction to Statistics</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>31</strong></td>
</tr>
<tr>
<td><strong>5th Semester</strong></td>
<td>MAS 301 Real Analysis</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 303 Partial Differential Equations</td>
<td>7</td>
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<tr>
<td></td>
<td>MAS 371 Numerical Analysis II or MAS**</td>
<td>7</td>
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<tr>
<td></td>
<td>PHY 111 General Physics I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>29</strong></td>
</tr>
<tr>
<td><strong>6th Semester</strong></td>
<td>MAS 302 Complex Analysis I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 331 Classical Differential Geometry</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>29</strong></td>
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<tr>
<td><strong>7th Semester</strong></td>
<td><strong>TOTAL</strong></td>
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<td><strong>8th Semester</strong></td>
<td><strong>TOTAL</strong></td>
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</tr>
<tr>
<td></td>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>240</strong></td>
</tr>
</tbody>
</table>

**Note:**

* MAS XX = Elective Course within the Department
** MAS = Selection of at least three courses from the list below:
  - MAS 403 Ordinary Differential Equations II
  - MAS 420 Approximation Theory
  - MAS 471 Numerical Solution of Ordinary Differential Equations
  - MAS 472 Numerical Solution of Partial Differential Equations
  - MAS 473 Finite Element Methods
  - MAS 481 Applied Mathematical Analysis
  - MAS 482 Classical Mechanics
  - MAS 483 Fluid Mechanics

Department of Mathematics and Statistics
### TABLE C3: INDICATIVE PROGRAMME OF STUDIES – STATISTICS

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Details</th>
<th>ECTS</th>
<th>Course Details</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st Semester</strong></td>
<td>MAS 101 Calculus I</td>
<td>8</td>
<td>MAS 301 Real Analysis</td>
<td>8</td>
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<tr>
<td></td>
<td>MAS 121 Linear Algebra I</td>
<td>8</td>
<td>MAS 350 Stochastic Processes</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>MAS 131 Basic Mathematics</td>
<td>8</td>
<td>MAS 361 Theory of Probability</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Foreign Language Course I</td>
<td>5</td>
<td>Elective Course I**</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td>29</td>
<td><strong>TOTAL</strong></td>
<td>30</td>
</tr>
<tr>
<td><strong>2nd Semester</strong></td>
<td>MAS 102 Calculus II</td>
<td>8</td>
<td>MAS 302 Complex Analysis I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 122 Linear Algebra II</td>
<td>8</td>
<td>MAS 331 Classical Differential Geometry</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 191 Mathematics with Computers</td>
<td>8</td>
<td>MAS 362 Theory of Statistics</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>CS 031 Introduction to Programming</td>
<td>7</td>
<td>MAS (Stat.)***</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td>31</td>
<td><strong>TOTAL</strong></td>
<td>30</td>
</tr>
<tr>
<td><strong>3rd Semester</strong></td>
<td>MAS 211 Multivariate Differential Calculus</td>
<td>8</td>
<td>MAS 451 Linear Models I</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>MAS 261 Introduction to Probability</td>
<td>8</td>
<td>MAS (Stat.)***</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>MAS 271 Numerical Analysis I</td>
<td>8</td>
<td>Elective Course from other departments</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Foreign Language Course II</td>
<td>5</td>
<td>Elective Course from other departments</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td>29</td>
<td>Elective Course from other departments</td>
<td>5</td>
</tr>
<tr>
<td><strong>4th Semester</strong></td>
<td>MAS 202 Multivariate Integral Calculus</td>
<td>8</td>
<td><strong>TOTAL</strong></td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>MAS 203 Ordinary Differential Equations I</td>
<td>8</td>
<td><strong>GRAND TOTAL</strong></td>
<td>240</td>
</tr>
<tr>
<td></td>
<td>MAS 262 Introduction to Statistics</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAS XX* Elective Course within the Department</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td>31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:**
* MAS XX = Elective Course within the Department
** Selection of at least two courses from the list below:
  MAS 303 Partial Differential Equations
  MAS 304 Functional Analysis
  MAS 371 Numerical Analysis II

*** MAS (Stat.) *** = Selection from the list below:
  MAS 454 Nonparametric Statistics
  MAS 455 Sampling Theory
  MAS 456 Time Series
  MAS 458 Statistical Data Analysis
  MAS 459 Multivariate Analysis
  MAS 466 Survival Analysis
  MAS 468 Topics in Probability-Statistics I
  MAS 469 Topics in Probability-Statistics II
AIM OF THE DEPARTMENT

The aim of the Department is to promote scientific knowledge, research and teaching in the area of Physics. The Department offers undergraduate degree programmes leading to a Bachelor’s Degree, as well as graduate programmes leading to the following degrees: Master in Physics, Master in Principles of Physics and Ph.D. in Physics. Special emphasis is placed on balanced learning in both traditional classroom and laboratory settings. Teaching consists mainly of lectures and laboratory courses, supplemented by seminars and tutorial sessions. The first Physics students were admitted in 1993. Each year approximately 30 undergraduate students are enrolled as freshmen.

Graduates of the Department are qualified to seek employment in academia and industry, carry out research in institutions in Cyprus and abroad, or teach in secondary education. In addition, the study of Physics enables students to acquire analytical and computational skills to think and work methodically. Thus Physics graduates are prepared for employment in any area where such skills are required, in addition to their areas of specialisation.

DEGREE PROGRAMME

The programme consists of five types of courses:
- Basic or Introductory Courses
- Core Courses
- Specialised Courses
- Compulsory Courses offered by other departments
- Elective Courses (from three different faculties)

Basic or introductory courses are all compulsory and prerequisite for the core courses. The latter are also compulsory and cover many of the areas that a physicist must master. On completion of these courses, students will take a number of specialised courses. These aim to familiarise students with concepts and topics that will be relevant to their final year project work and will help define their professional orientation on graduation.

The programme contains compulsory courses offered by other departments, such as the Department of...
Finally, the programme requires students to take elective courses outside the Department to complement the main area of studies. These options are selected in consultation with their Academic Advisor.

**FINAL YEAR PROJECT**

The final year project plays a special role in the undergraduate programme of the Department. Students who choose to take the project work under the close supervision of a member of the academic staff of the Department, concentrating on a specialised topic, selected from a list of topics. While carrying out the project, students learn to search and study the relevant literature, to present seminars to their fellow students in a clear and concise way, and to record and report the essential conclusions. Some of the projects will be experimental in nature and some require the use of a computer. Whereas the final year project work does not have to be original, the Department expects the more capable students to be involved in the research activities of their supervisors.

Those students who choose to take the project, will be awarded an official certificate signed by the Dean of the Faculty, the Chairperson of the Department and the Project Advisor.

**COURSES OFFERED TO STUDENTS OF OTHER DEPARTMENTS**

The Department offers the following courses to students of other departments:

<table>
<thead>
<tr>
<th>COURSE DESCRIPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHY 011 Modern Physics for Poets (5 ECTS)</strong></td>
</tr>
<tr>
<td><strong>PHY 012 Physics and Applications (5 ECTS)</strong></td>
</tr>
<tr>
<td><strong>PHY 010 Principles of Physics (6 ECTS)</strong></td>
</tr>
<tr>
<td><strong>PHY 012 Physics for Chemists (6 ECTS)</strong></td>
</tr>
<tr>
<td><strong>PHY 111 General Physics I (8 ECTS)</strong></td>
</tr>
</tbody>
</table>
PHY 112 General Physics II (7.5 ECTS)


PHY 114 Physics Laboratory I (8 ECTS)


PHY 115 Physics Laboratory II (7.5 ECTS)


PHY 131 General Physics I: Mechanics and Waves and Thermodynamics (6 ECTS)

(For the Department of Electrical and Computer Engineering)


PHY 132 General Physics II: Electricity and Electromagnetic and Optics (6 ECTS)

(For the Department of Electrical and Computer Engineering)


PHY 133 Classical and Quantum Mechanics (6 ECTS)

(For the Department of Electrical and Computer Engineering)


PHY 134 Physics for Engineers (5 ECTS)

(For the Department of Civil and Environmental Engineering)


PHY 137 Physics for the Medical School (6 ECTS)

The aim of the course is to familiarize medical students with a broad range of physical principles in the areas of Mechanics, Fluids, Wave Physics, Geometrical Optics, Electricity, Nuclear Physics and Molecular Biophysics. The emphasis will be on the application of these principles to the Physics of the Human Body. The course requires a strong background in Physics; three years of upper secondary Physics courses is a general prerequisite.

Topics covered include:

Elements of Mechanics (Newton’s laws; Forces and Translational Equilibrium; Torques and Rotational Equilibrium; Work and Energy; Collisions; Elements of Elasticity Theory; Statics, Kinematics, and Mechanical Properties of the Human Body). Fluids (Pressure and Density; Principles of Archimedes and Pascal; Continuity equation; Bernoulli Equation; Viscosity and Poiseuille Flow; Pressure and flow of Blood in the Human Body). Harmonic Motion and Waves (Properties of Sound; Doppler Effect; Ultrasounds; the Human Ear and Hearing). Elements of Electricity (Insulators and Conductors; Coulomb Law; Electric Field; Electric Potential; Capacity; Dielectrics; Electric Current and Ohm’s Law; Nerve Conduction; ECG; Geometrical Optics (Index of refraction; Mirrors; Diffraction; Snell’s law; The Lens Equation; the Camera; the Magnifying Glass; the Microscope; the Human Eye; Vision-correcting Lenses). Elements of Nuclear Physics (Nuclear Forces; Radioactivity; α-, β-, γ-Decay; Interaction of Radiation with Matter; Dosimetry). Medical Applications of Molecular Biophysics (Relation between Structure and Dynamics of Macromolecules; Applications in Drug Design).

PHY 145 Computational Methods in Physics (7.5 ECTS)

Introduction and hands-on practice in Programming and various Computational Methods with the scope to develop the necessary skills to solve basic physics problems numerically. Course tools include use of the Linux/Unix Operating System, the EMACS/XEMACS editor, the Gnuplot Graphics Software and programming in the FORTRAN Language. The methods include (a) techniques for solving ordinary differential equations (Euler, Verlet, Runge-Kutta) with applications on various problems from Classical Mechanics, (b) root finding and solution of linear systems of equations, (c) topics from data analysis, (d) properties and techniques of random number generation with applications in integration and simulations of random walks and simple physics processes and (e) integration techniques.

PHY 211 Classical Mechanics (7.5 ECTS)

PHY 213 General Physics III (7.5 ECTS)

PHY 216 Physics Laboratory III (7.5 ECTS)
The course contains the following experimental exercises in Optics/Waves: String Oscillations, Ultrasound Propagation in Air and Liquids, Laws of Lenses, Thin Film Interference, Newton Interference Apparatus, Michelson Interferometer, Polarization of Light, Fraunhofer Diffraction, Prism Spectrometer, Grating Spectrometer, Speed of Light Measurement, Fresnel Laws.

PHY 221 Mathematical Methods of Physics I (7.5 ECTS)

PHY 222 Mathematical Methods in Physics II (7.5 ECTS)

PHY 225 Quantum Mechanics I (7.5 ECTS)

PHY 231 Electromagnetism I (7.5 ECTS)

PHY 235 Electromagnetism II - Special Relativity (7.5 ECTS)

PHY 301 Solid State Physics (7.5 ECTS)

PHY 302 Advanced Physics Laboratory I (7.5 ECTS)
(Solid State Physics Experiments)
PHY 321 Nuclear Physics (7.5 ECTS)

PHY 322 Advanced Physics Laboratory II (7.5 ECTS)
(Atomic and Nuclear Physics Experiments)

PHY 326 Quantum Mechanics II (7.5 ECTS)

PHY 331 Particle Physics (7.5 ECTS)

PHY 341 Electronic Physics (7.5 ECTS)
The objective of this course is to introduce students to Modern Electronics, providing a thorough, comprehensive and practical coverage of electronic devices, circuits and applications. Laboratory experience is an essential part of the course. Most of the lectures will describe how a variety of basic modern electronic elements such as Diodes, Bipolar Junction Transistors, Field-Effect Transistors operate and how to analyse a circuit containing these elements. Contents: DC and AC circuits. Semiconductors and Applications to Circuits. PN Junction Diodes. Transistors. Field-Effect Transistors. Digital Circuits.

PHY 342 Physics and Thermodynamics (7.5 ECTS)

PHY 347 Computational Physics (7.5 ECTS)

PHY 405 Cosmology and General Relativity (7.5 ECTS)

PHY 415 Biophysics (7.5 ECTS)
Goal of the course is to familiarize students of Physics with concepts from Life Sciences, and to present the application of concepts and methods from Classical Mechanics, Statistical Physics, Electro-statistics and Quantum Mechanics to the study of phenomena occurring in modern biological systems. Statistical mechanics of biomolecular association; Allosteric Mechanisms; Molecular Modelling: Hamiltonians used in the description of molecular interactions in biomolecules; normal modes and applications in biomolecules; molecular dynamics simulations; Implicit-solvent descriptions; Continuum Dielectric Models, Poisson-Boltzmann calculations and the Generalized Born approximation; Free-energy calculations: the Thermodynamic Integration and Thermodynamic Perturbation approaches; Jarzynski Inequality.

PHY 427 Atomic and Molecular Physics (7.5 ECTS)

PHY 435 Theoretical Physics (7.5 ECTS)
functions, asymptotic states, potential scattering, phase shifts, resonances. Introduction to String Theory.

**PHY 445 Electronic Systems (7.5 ECTS)**

Introduction to semiconductor physics: general characteristics of semiconductors, crystal structure, energy bands, doping, carrier transport phenomena.

Bipolar devices: device technology, p-n junction, charge depletion zones, I-V curves.

Metal semiconductor contacts: Energy band, Schottky effect, carrier transport processes, ohmic contacts.

Transistor: introduction, bipolar transistor, MOSFET, JFET.

Photonic devices: introduction, radiative transitions, light emitting diodes (LED), laser diodes.

1. Basic or Introductory Courses (53.5 ECTS)

PHY 111 General Physics I
PHY 112 General Physics II
PHY 114 Physics Laboratory I
PHY 115 Physics Laboratory II
PHY 145 Computational Methods in Physics
PHY 213 General Physics III
PHY 216 Physics Laboratory III

2. Core Courses (60 ECTS)

PHY 211 Classical Mechanics
PHY 221 Mathematical Methods of Physics I
PHY 222 Mathematical Methods of Physics II
PHY 225 Quantum Mechanics I
PHY 231 Electromagnetism I
PHY 235 Electromagnetism II - Special Theory of Relativity
PHY 326 Quantum Mechanics II
PHY 342 Statistical Physics and Thermodynamics

3. Specialised Courses (75 ECTS)

Students must take ten specialised courses:

GROUP A
Students must take two of the following laboratory courses:
PHY 302 Advanced Physics Laboratory I
PHY 322 Advanced Physics Laboratory II
PHY 341 Electronic Physics

GROUP B
Students must take four of the following:
PHY 301 Solid State Physics
PHY 321 Nuclear Physics
PHY 331 Particle Physics
PHY 347 Computational Physics
MAS 006 Complex Analysis

GROUP C
Students must take four of the following:
PHY 405 Cosmology and General Theory of Relativity
PHY 411 Final Year Project
PHY 412 Final Year Project (II)
PHY 415 Biophysics
PHY 427 Atomic and Molecular Physics
PHY 435 Theoretical Physics
PHY 445 Electronic Systems
Any course not taken from Group A
Any course not taken from Group B

4. Compulsory Courses from other departments (31.5 ECTS)

Foreign Language
Two courses

Mathematics
Two courses: MAS 004 and MAS 005*

Chemistry
One course: CHE 021

5. Elective Courses (20 ECTS)

Students are required to complete 20 ECTS of Elective Courses outside of their main area of studies. The courses must be from three different faculties.

* The two courses (MAS 004 and MAS 005) from the Department of Mathematics and Statistics are introductory and specifically designed to satisfy the math requirements of physics students as determined by the Department of Physics.
ANALYTICAL PROGRAMME OF STUDIES

1st YEAR
1st Semester
PHY 111 General Physics I 8
PHY 114 Physics Laboratory I 8
CHE 021 Introductory Chemistry (for Biologists and Physicists) 6
MAS 004 Mathematics I 8
TOTAL 30

2nd Semester
PHY 112 General Physics II 7.5
PHY 145 Computational Methods in Physics 7.5
PHY 115 Physics Laboratory II 7.5
MAS 005 Mathematics II 7.5
TOTAL 30
YEAR TOTAL 60

2nd YEAR
3rd Semester
PHY 213 General Physics III 7.5
PHY 216 Physics Laboratory III 7.5
PHY 221 Mathematical Methods of Physics I 7.5
PHY 231 Electromagnetism I - Special Relativity 7.5

4th Semester
PHY 211 Classical Mechanics 7.5
PHY 222 Mathematical Methods of Physics II 7.5
PHY 225 Quantum Mechanics I 7.5
PHY 235 Electromagnetism II 7.5
TOTAL 30
YEAR TOTAL 60

3rd YEAR
5th Semester
PHY 326 Quantum Mechanics II 7.5
PHY 342 Statistical Physics and Thermodynamics 7.5
Elective Course I 5
Elective Course II 5
Foreign Language Course I 5
TOTAL 30

6th Semester
One course from Group A 7.5
One course from Group B 7.5
One course from Group B 7.5
One course from Group B 7.5
TOTAL 30
YEAR TOTAL 60

4th YEAR
7th Semester
One course from Group C or Project I 7.5
One course from Group A 7.5
One course from Group B 7.5
One course from Group C 7.5
TOTAL 30

8th Semester
One course from Group C or Project II 7.5
One course from Group C 7.5
Elective Course III 5
Elective Course IV 5
Foreign Language Course II 5
TOTAL 30
YEAR TOTAL 60
GRAND TOTAL 240

GROUP OF COURSES

Group A
PHY 341 Electronic Physics
PHY 302 Advanced Physics Laboratory I
PHY 322 Advanced Physics Laboratory II

Group B
PHY 301 Solid State Physics
PHY 321 Nuclear Physics
PHY 331 Particle Physics
PHY 347 Computational Physics
MAS 006 Complex Analysis

Group C
PHY 405 Cosmology and General Theory of Relativity
PHY 427 Atomic and Molecular Physics
PHY 415 Biophysics
PHY 435 Theoretical Physics
PHY 445 Electronic Systems
PHY 411 Final Year Project I
PHY 412 Final Year Project II
FACULTY OF SOCIAL SCIENCES AND EDUCATION

- Department of Education
- Department of Law
- Department of Psychology
- Department of Social and Political Sciences
MISSION OF THE DEPARTMENT

The mission of the Department of Education is to meet the national, cultural and developmental needs of the island. Specifically, the mission of the Department is as follows:

• Producing and disseminating knowledge in the Pedagogical Sciences.
• The promotion of quality and effectiveness in education.
• The promotion of basic and applied Research in Education.
• The provision of evidence-based recommendations that can contribute to the development of educational and social policy.
• The promotion of gender studies and the development of policy on equality.
• Identifying, researching and studying educational issues.
• Educating Elementary and Kindergarten Teachers for Cyprus schools.

In order to fulfil its mission, the Department has developed:

• Providing pedagogical training for those wishing to teach in Secondary and Technical Education.
• Providing in-service training and staff development courses for school personnel.
• Providing graduate programmes with the aim of preparing research personnel and people who will assume leadership positions within the educational system.

A programme of studies for teacher education leading to a Bachelor’s degree in Elementary and Kindergarten education.

A programme of studies leading to teacher certification for prospective Secondary and Technical Education teachers.

Graduate programmes in Educational Administration and Evaluation, Curriculum Development and Instruction, Mathematics Education, Natural Sciences, Pedagogical Sciences, Methodology of Mathematics, Special and
Inclusive Education, Language Pedagogy and Gender Studies leading to Master and Doctoral degrees.

Furthermore, the Department intends to develop the following programmes:

- New graduate programmes in order to achieve its developmental goals and to also meet existing needs in the Cyprus educational system.
- In-service training and staff development programmes for educators of all levels.

PROGRAMME OF STUDIES FOR ELEMENTARY AND KINDERGARTEN SCHOOL TEACHERS DEGREES

Duration and Areas of Studies

For a Bachelor’s Degree in Elementary School Teaching or Kindergarten School Teaching, students must successfully complete at least 240 ECTS. The courses are divided into:

a) Compulsory, with 190 ECTS (79.2%) for elementary school teachers and 170 ECTS (70.8%) for kindergarten teachers.

b) Elective Courses, with 30 ECTS (12.5%) for elementary school teachers and 55 ECTS (22.9%) for kindergarten teachers.

c) General Education Courses, with 20 ECTS (8.3%) for elementary school teachers and 15 ECTS (6.3%) for kindergarten school teachers.

Pedagogical Science

Elementary school teachers must complete 12 courses (60 ECTS): eight Compulsory Courses and four Elective Courses from the Department (25% of the programme of studies). Kindergarten teachers must complete 14 courses (70 ECTS): nine Compulsory and five Elective Courses (29.2% of the programme of studies).

Teaching Methodology

For elementary school teachers, courses are divided into: Compulsory 40 ECTS (16.7%) and Elective Courses 10 ECTS (4.2%). For kindergarten school teachers, courses are divided into: Compulsory 45 ECTS (18.8%) and Elective Courses 20 ECTS (8.3%).

Content Area Courses

For elementary school teachers, courses are: Compulsory 40 ECTS (16.7%). For kindergarten school teachers, courses are divided into: Compulsory 40 ECTS (16.7%) and Elective 10 ECTS (4.2%).

Specialisation (A and B)

Specialisation is required only for the degree of elementary school teachers. Students are required to complete 30 ECTS (12.5%), 15 ECTS from specialisation A and 15 ECTS from specialisation B either from the third or the fourth year of studies. Students must select two specialisation areas from the following:

- Specialisation A: Greek Language, Mathematics, Science Education.

Elective Courses

The courses must be completed within the first two years of studies. Elementary school teachers must complete at least 20 ECTS (8.3%) (four courses) from 3 different faculties and kindergarten school teachers must complete at least 15 ECTS (6.3%) (three courses) from 2 different faculties.

Foreign Language

In addition to the above courses, students are required to complete 10 ECTS in a foreign language.

School Experience Programme

Primary School Education

School Experience consists of three phases:

- Phase I (EDU 129): takes place in the second year of studies, fall or spring semester. Students attend weekly lectures and seminars at the University. Students visit schools and observe school life and lessons.

- Phase II (EDU 329): takes place in the third year of studies, fall or spring semester. Students attend weekly lectures and seminars at the University. Students visit schools once a week and are placed in separate classes.

- Phase III (EDU 429): takes place in the fourth year of studies, either fall or spring semester. Students attend weekly lectures and seminars at the University. Students visit schools every day and they are placed in separate classes.

Pre-Primary School Experience

School Experience consists of three phases:

- Phase I (EDU 239): takes place in the second year of studies, either fall or spring semester. Students attend weekly seminars at the University. Students visit schools one day per week. A second-year student is placed in the class where a fourth-year student carries out his/her early field experience.
• Phase II (EDU 339): takes place in the third year of studies, either fall or spring semester. Students attend weekly seminars at the University. Students visit schools one day per week and two students are placed in the same class.
• Phase III (EDU 439): takes place in the fourth year of studies, either fall or spring semester. Students attend weekly seminars at the University. Students visit schools every day and are placed in separate classes.

Students should pay attention to the following:
1. A and B year students: The courses are given in groups (blocks) in a special form, to the following provided by the department secretariat. No changes are made, only in exceptional cases (students that admitted through transfer) upon permission of the student’s advisor.
2. Students must complete General Educational Courses by the end of the third year of study.
3. Specialization courses: only from the third and fourth year of study.
4. Students must complete the prerequisite courses before the Main courses. Only in exceptional cases, students may attend the courses at the same time and always upon permission of the student’s advisor.
5. Students must complete the Compulsory Courses and Teaching Courses before they choose specialisation. Only in exceptional cases, students may attend the courses at the same time and always upon permission of the student’s advisor.
6. Students must complete the Teaching courses before they choose School Experience (EDU 429 and EDU 439). Only in exceptional cases, students may attend the courses at the same time and always upon permission of the student’s advisor.

OTHER PRIORITIES OF THE DEPARTMENT
• Establishing the Department in Cyprus as well as in the rest of the Greek world and Europe. In order to fulfil this goal, the Department currently participates in joint research projects with other universities and international organizations such as UNESCO, the Council of Europe, the European Union and the Commonwealth. In order to fulfill the same purpose, the Department organizes international conferences, lectures and seminars and the publication of a journal.
• Assisting and promoting school development. This goal will be fulfilled by offering in-service and staff development courses, educational interventions and through the guidance of school personnel in the introduction of new ideas in education.
• Collecting information on the island’s educational heritage and the creation of a centre for the study and documentation of the history of Cyprus education. The Department will collect and preserve school documents, official books, as well as textbooks of previous times.

COURSE DESCRIPTIONS

EDU 100 Olympic Education (5 ECTS)
The course emphasises the principles of sport education and Olympism as a practical philosophy. Students can learn and experience the ethical principles of the Olympic Ideal; study key parameters of the Olympic Movement; acquaint themselves with Olympism; and form attitudes aligned to Olympic Ideas. It emphasises ancient and modern Olympic Games and Sports, and key forums e.g. International and National Committees and the Olympic Charter, and studies the history, organization, operation and spiritual content of the Olympic and other Games. Through studying implemented Olympic Education Programmes, it also analyses Olympism and Olympic Education in their application to other disciplines.

EDU 101 Introduction to Pedagogical Sciences (5 ECTS)
Clarification of concepts (education, training, etc.) and critical genealogies in the discourses of childhood, humanity and education, discipline and schooling. Educational institutions, student and teacher identities and pedagogical theories are contextualised in the crossroads of ideology, politics, social structures, culture and media. Introduction to the pedagogical understanding of dialogue, experience, text and inter-textuality and critical thinking. Readings from Plato, Freire, Giroux, Foucault and others.

EDU 102 Education and Praxis during infancy (0-3 years) (5 ECTS)
The students will study the theoretical aspects of infant development and educare combining research and praxis. The course will be structured in a way that will provide students with practical experiences with children of the ages from birth to three years. Different infant curricula will be analyzed and the students will be guided to perform appropriate practices for the specific age group. There will be three hours of practicum in a child care setting-preschool weekly.

EDU 105 History of Education (5 ECTS)
Introduction to historiography and the concept of the archive. Grand narratives and nation state. History of education as national myth/heritage/collective memory/liberation narrative. Education and modernity. British rule, education (educational laws, curriculum, teacher training) and power (governamentalty, racial and ethnic identities, institutionalisation of separation). The role of the Orthodox Church and EVKAF in educational politics.

EDU 118 Education and Gender (5 ECTS)
The course examines the role of educational institutions in shaping and reproducing dominant ideologies on gender and sexuality. Issues such as the differential socialisation of boys and girls, gender and social class, gender stereotypes and the media, achievement and gender will be the main themes of the course. Furthermore, we will pay particular attention to processes of learning, discipline and school organization which determine expressions of sexuality and reflect dominant perceptions of gender socialisation. The course also examines the role of
feminist thinking in shaping research in education and shaping current pedagogical practices.

**EDU 138 Educational Technology (5 ECTS)**

*Prerequisite: CS 002*

The course targets the systematic study of the pedagogical value of computer-based technologies as cognitive tools to enhance teaching and learning. Technology is viewed as having an added value in certain instructional situations to help teachers and learners experience deep learning. Emphasis is placed on the development of technological pedagogical content knowledge for the purpose of designing and developing interactive learning environments, where learners learn with the technology. The course will also develop students’ abilities to critically evaluate technology integration models in the classroom by taking into consideration the socio-technical characteristics and/or limitations of the primary educational system in Cyprus.

**EDU 139 Computer-Aided Learning in Kindergarten (5 ECTS)**

The aim of this course is to offer students the necessary knowledge and skills to use the computer in kindergarten as a tool for presenting their work and enhancing interaction with the children, and as a cognitive tool to enhance teaching and learning. Through the theoretical and practical study of multiple software for kindergarten, they will develop the skills to assess, make the appropriate choices and use the appropriate methods to teach children the use of these programmes.

**EDU 148 Educational Robotics (5 ECTS)**

*Prerequisite: EDU 138*

The course aims at the design and implementation of exploratory learning environments with the use of robots. Main teaching areas include basic concepts of robotics, design of robotic hardware and software, robotic curricula and evaluation methodologies that enable the use of robots in teaching and learning. Emphasis will be placed on the added value of teaching with robots in primary education both in terms of developing students’ problem-solving skills and understanding concepts.

**EDU 158 Web 2.0 Tools: Learning and Teaching (5 ECTS)**

*Prerequisite: EDU 138*

The pedagogical utilization and integration of Web 2.0 Tools, such as Wikis, Blogs, Podcasts, and Second Life, in the wider educational system of Cyprus (e.g., pre-school, primary school, etc.). Students will be involved in activities aiming at not only the creation of their own digital material, but also the evaluation of content written by others. Special emphasis will be given on the value of Web 2.0 Tools to create and establish electronic communities of learning and practice aiming at the interaction and collaboration among students, teachers, and other stakeholders for the diffusion and sharing of educational experiences and knowledge.

**EDU 170 Pre-Math Concepts (5 ECTS)**

Basic theoretical trends in psychology concerning the development of pre-mathematical concepts in early childhood. The importance of language in the development of the first mathematical concepts. Critical analysis of the arithmetic of natural numbers.

**EDU 171 Foundations and Fundamental Concepts of Mathematics I (5 ECTS)**

Fundamental concepts and theorems are presented and discussed in a historical context from ancient times through the Middle Ages. More specifically, number systems from ancient to modern, additive and place value, figural numbers, several proofs of the Pythagorean Theorem, the three famous problems of antiquity, Euclid’s elements-axiomatic foundation of mathematics, Ptolemy’s theorem and the genesis of trigonometry, Pappus’s theorem, Diophantine equations, the development of the Hindu-Arabic numeral system, the Fibonacci sequence, the algebraic solution of cubic and quadratic equations.

**EDU 175 Science Concepts in Pre-School Education: Environment and Living Organisms (5 ECTS)**

- Ecosystems: structure and function. Trophic relations and flow of natural elements and energy.
- Biotic patterns, taxonomy and systematics, biodiversity.
- Patterns of interaction: competition, cooperation, symbiosis, predator-prey relationships.
- Types and characteristics of Mediterranean ecosystems.
- Human senses and the environment.

**EDU 178 Education, Science, Technology and Society (5 ECTS)**

Culture as an outcome of innovation and development. Science as culture and the role of public understanding in promoting the social and cultural impact of science and technology. Education as a context for the dissemination of science and the integration of people in processes for scientific and technological innovation. Measures of public understanding of science. Education as a mediating process between science and society. Organizational structures for science at European level and the role of educational systems. Science, Technology, Society and innovation processes in Cyprus. Education for foresight methodologies and their role in setting research priorities. The role of education in promoting scientific culture. A critical (re)construction of the public understanding of science and educational implications.

**EDU 186 Natural Sciences in the Elementary School: Environment and Living Organisms (5 ECTS)**

- Ecosystems: structure and function. Trophic relations and flow of natural elements and energy.
- Biotic patterns, taxonomy and systematics, biodiversity.
- Patterns of interaction: competition, cooperation, symbiosis, predator-prey relationships.
- Regulation of populations. Adaptive population strategies.
- Types and characteristics of Mediterranean ecosystems.
- Research methodology in ecology: models, field studies and virtual simulations of ecological processes.

**EDU 187 Environmental Issues (5 ECTS)**


**EDU 188 Experimental Study of Physical Sciences at the Primary Level (5 ECTS)**

Scientific investigations at the elementary school. Methods and processes of science. Experimental investigation of biological, physical, and chemical phenomena. Implications of scientific knowledge on social process. Technology and physical sciences.
EDU 201 Introduction to Philosophy of Education (5 ECTS)
This course explores philosophical concepts, principles, methods and criteria in the study of educational issues. By reference to various schools of thought from antiquity to the present (Presocratics, Plato, Rousseau, Kant, Nietzsche, Dewey, Frankfurt School, Freire) as well as to the assumptions (ontological, anthropological, epistemological, ethical and political) on which educational philosophy is based, it examines the ‘why’ of education and schooling. It aims to help future teachers acquire a clear awareness of the various aspects of education (aims, content, methods, means, relations between school and society, etc.) and of the importance of philosophy for understanding and debating those aspects.

EDU 202 Early Childhood Pedagogy (5 ECTS)
Kindergarten as a social institution and its impact on the child’s overall development. Emphasis is placed on the socio-emotional aspect of development, the relationship between children and adults, the rights and individualised needs of every child. Reference is made to the multiple roles of the early childhood teachers and their professional actions. An analysis of the teaching process in kindergarten and the organization of the environment along with the development of activities are explored.

EDU 204 Methodology of Educational Research (5 ECTS)
Basic concepts of educational research. Research stages: understanding the problem, review of literature, methodology, presentation of the results, discussion/conclusions. Measurement scales. Validity and reliability of measurements. Types of research projects: descriptive, correlational, ex post facto, experimental, historical, ethnographic. Writing the research report.

EDU 214 Health Education (5 ECTS)
• Health and modern life: nutrition, obesity, genetically modified food.
• Health and the environment: toxic substances, pollution.
• Health conditions and processes.
• Drugs and sexually transmitted diseases. Health and sports.
• Health risks and civil rights.

EDU 215 Family and Kindergarten: Relations and Actions (5 ECTS)
The course aims to inform students about the socio-emotional aspects of the process that two people go through to become parents, the changes and problems they might face. Students will explore the social, cultural and environmental factors that affect the family, the children and the variety of their experiences. Students will also learn to understand the needs, the expectations and the responsibilities of the family, to provide support and at the same time to educationally guide the family through different programmes. Emphasis is placed on the development of a cooperative relationship between the early childhood teacher and the family.

EDU 218 Sociology of Education I (5 ECTS)
An introduction to basic concepts in Sociology of Education, including the main theoretical perspectives of structural functionalism and conflict theory. More specifically, the course examines the social dimensions of educational institutions (role of social class, race, culture and gender) and their role in promoting equality or reproducing disparities. A recurrent theme in the course is the question of how individuals are shaped through social structures and institutions and how the educational process provides possibilities for resistance to inequality.

EDU 220 Theory and Methodology of Teaching (5 ECTS)
Conceptualisations of teaching and learning. Didactics as a scientific field of study. Genealogy of the field of General Didactics within the Education Sciences. Theoretical foundations of teaching within philosophical-pedagogical approaches and eclecticism. Lesson plan design as a problem-solving process and teacher professional autonomy in the classroom. Structure and content of lesson plans (aims and objectives, assumptions-student population, means and materials, children and classroom organization, course activities and forms of teaching, evaluation and assessment). Microteaching as a teacher professional development tool. Developing and enacting lesson plans, observing and reflectively discussing lessons. Discussing conceptualisations of teaching as “good” and “effective”. Contemporary approaches to teaching and learning, e.g., differentiation and individualization of teaching, cooperative learning, cross-curricular approaches, inquiry-based learning, teaching for developing metacognitive, critical and creative thinking.

EDU 221 Early Literacy (5 ECTS)
The course aims to prepare prospective primary teachers in the area of early literacy, providing them with the theoretical and methodological tools to successfully teach Greek as a first language in the early elementary grades. Teaching language arts to emerging readers means integrating the skills of reading, writing, listening and speaking. The course aims to help students comprehend literacy as a developing structure and develop a reflective and well-informed philosophy about the teaching of literacy. Several theories regarding the nature of literacy are analyzed and various instructional strategies to facilitate literacy learning for emergent, novice and transitional readers and writers are proposed.

EDU 222 Language Arts Methods (5 ECTS)
The course aims to provide future educators with the theoretical and methodological tools to successfully teach Greek as a first language (reading, writing, discussing). The course examines various literacy teaching methods such as traditional grammar/skills-based approaches, text-based approaches, the new communicative approach, as well as the approaches of the reader’s workshop and the writing workshop. In addition, sociolinguistic concepts such as diglossia, language and dialect are examined and the functional use of the Greek Cypriot dialect in the Greek Cypriot classroom is considered. Finally, the course addresses issues of assessment and teaching students whose first language is not Greek.

EDU 224 Forms of Language Expression (5 ECTS)
This course will help early childhood teachers understand the creative use of language and its role in communication. In the course, students will learn the various theories of language acquisition and the connection between language and thought; they will learn about early literacy, reading and writing during the early years; they will participate in classroom discussions on the pedagogical value of picture books and poetry. Finally, students will learn to develop methodological approaches to enhancing language use and assessing it, with a good understanding of the different variables that could affect these processes.
EDU 226 Structure of Greek for Pedagogical Purposes (5 ECTS)
The purpose of this course is to examine in detail the phonetic, phonological, morphological, syntactic and lexical properties of Greek from a synchronic as well as from a diachronic perspective. The objective of the course is to enable the language teacher to critically evaluate models of grammatical description and to functionally integrate the teaching of the structure of Greek in a communicative model of language teaching. Topics include: The concept of linguistic structure. Learning vs Acquisition. The Greek language and its varieties. The phonetic, phonological, morphological and syntactical system of Greek. Vocabulary, writing and orthography. From grammar to discourse.

EDU 238 Design and Technology (5 ECTS)
Rational investigation of situations and human needs that are related to daily life. Planning of suitable educational interventions, in the frame of which human needs and technological problems are investigated and solutions are sought with the use of available tools and materials and the application of knowledge and skills from various domains. Development of important skills such as inventiveness, decision making and technological problem solving. The course aims to connect design and technology processes with the teaching and learning environment in the classroom and to develop the appropriate technological literacy. The course is mainly laboratorial with two-hour meetings per week.

EDU 252 Art in Pre- Primary School (5 ECTS)

EDU 258 Early Childhood Music Education I (5 ECTS)
The process of musical development in young children. Music education methods and their application in a pre-school setting. Teaching techniques, lesson planning, musical literature appropriate for young children. Creative activities through listening, performing and composing. Development of rhythmic and melodic oral skills. Introduction to harmonisation and instrumentation techniques appropriate for early childhood literature. Development of instrumental and vocal skills.

EDU 271 Foundations and Fundamental Concepts of Mathematics II (5 ECTS)
Prerequisite: EDU 170 (for Kindergarten School Teachers) and EDU 171 (for Elementary School Teachers)

EDU 272 Topics from Modern Mathematics (5 ECTS)
Prerequisite: EDU 170 (for Kindergarten School Teachers) and EDU 171 (for Elementary School Teachers)
The purpose of this course is to help prospective teachers become acquainted with the basic mathematics concepts that are necessary for teaching topics from modern mathematics. The course includes topics such as set theory, cartesian products, binary relations, functions, logical propositions, Boolean algebra, statistics and probability, geometry, graph theory and linear programming.

EDU 286 Natural Sciences in the Elementary School: Physical and Chemical Phenomena and Changes (5 ECTS)
Prerequisite: EDU 186, EDU 187 and EDU 188

EDU 302 Principles and Perspectives of Early Childhood Education (5 ECTS)
The course offers an examination and analysis of the historical and political periods of early childhood education, and discusses the implementation of current practices and models. Developmentally appropriate programmes are examined through theory and practice, and considering children’s needs. An introduction to the development of the main principles that affect the current perspectives on early childhood education. Students will analyse, compare and develop their own point of view about the field of early childhood education and recognise how early childhood education in different countries responds to the needs of children and their families through practice and policy.

EDU 304 Educational Assessment and Evaluation (5 ECTS)
The first part of the course focuses on assessment of pupils’ knowledge, skills and attitudes and covers topics such as: Purposes of assessment; Formative and summative models of assessment; Test construction; Classical test theory and item analysis; The Rasch model; Ways of estimating test reliability; Types of validity and process of validation studies; Use of standardised tests; Record keeping and reporting. The second part is about the theory, practice, understanding and utilisation of educational evaluation and covers topics such as: Forms of evaluation and theoretical models; Evaluation of teaching and teacher’s appraisal; Programme evaluation; External and School self-evaluation; and Evaluation of educational systems.

EDU 311 Introduction to Inclusive Education (5 ECTS)
The aim of the course is to familiarise students with notions of inclusive education, in an attempt to prepare general class teachers (and as a consequence the education system as a whole) to welcome and support all children without exception regardless of ability, gender, nationality, language, religious or other background factors in their classroom. The course combines a theoretical-historical and an empirical-practical dimension and offers opportunities for experiential contact with the educational area of inclusion.

EDU 318 Sociology of Education II (5 ECTS)
Prerequisite: EDU 218
The course is a continuation of EDU 218 and aims to examine current issues in sociology of education, including the impact of the interactionist perspective (micro-perspective). The course will focus on the importance of analysing educational processes through the negotiation of meanings and symbols, especially as
they relate to the status of the learner. The main topics of the course relate to educational issues which emerge out of contemporary social phenomena such as bilingualism, globalisation and immigration, racism and sexuality. An important theme in the course is the production of knowledge (in school, in research settings) and its relation to recurrent forms of power.

**EDU 325 Creative Drama (5 ECTS)**
Creative drama, its characteristics and its differences from drama. The contribution of creative drama to the overall development of the individual and to creative thinking and behaving. Teaching aids required. Familiarisation with teaching strategies (drama-playing, improvisation, individual and group work and presentation, tableau-vivant, movement, music, role development, forum-drama, ‘teacher in role’).

**EDU 331 Teaching of Mathematics (5 ECTS)**
*Prerequisites: EDU 171 and EDU 271 or EDU 272*

The purpose of this course is to help students become acquainted with the aims, the methods, and the content of school mathematics. The course is divided into two parts: the first part discusses the main emphases of mathematics education as well as the theories of learning mathematics. In this part, a great emphasis is placed on the evaluation of mathematics and the integration of technology in the processes of teaching and learning mathematics. The second part discusses the teaching of different topics of mathematics such as problem solving, early sense of numbers and algorithms, patterns, statistics, probability and the development of geometrical concepts.

**EDU 332 Mathematical Concepts in the Kindergarten School (5 ECTS)**
*Prerequisite: EDU 170*

The course is aimed at helping students become acquainted with the objectives of mathematics in pre-primary education, the content of mathematics for the kindergarten and the first grades of the primary school, the teaching methods of the subject as they have developed in recent years, the teaching aids, and the contemporary methods of evaluating the mathematical ability of pupils. At the same time, the course will examine the fundamental psychological theories as they concern the development of primary mathematical concepts in pre-primary school children.

**EDU 333 Modern Greek Language: Written Speech and Academic Writing (5 ECTS)**

Writing at an academic level constitutes one of the most important skills that students need to develop during their studies. It is a literacy practice that raises specific linguistic and cognitive demands, with textual conventions and rhetorical choices that differ from schools’ texts and that are not used in everyday social interactions. This course aims to develop academic literacy, through text analysis and through the examination of the process of text production in various academic communicative situations. Special emphasis will be placed on the study of Greek language phenomena at a phonological, morphological and syntactical level, as well as on common spelling mistakes.

**EDU 336 The Teaching of Natural Sciences (5 ECTS)**
*Prerequisite: EDU 286*

The basic variables of the teaching-learning process which have special importance for the teaching of natural sciences at the elementary level based on research evidence. In-depth examination of elementary students’ mechanisms of understanding and their preconceptions about physical reality. Design and evaluation of teaching interventions in an attempt to promote students’ cognitive, affective, and psychomotor development and activate their innate capacities.

**EDU 341 Christian Education (5 ECTS)**

**EDU 343 Introduction to Geography (5 ECTS)**

**EDU 348 Social Issues (5 ECTS)**

**EDU 351 Art Education in Primary School (5 ECTS)**

**EDU 352 Art and Culture in Pre-Primary School (5 ECTS)**
*Prerequisite: EDU 252*

Interdisciplinary and intercultural dimensions of the Art(s) and their significance to education. Socio-cultural perspectives of learning and ways of delivering a broader interdisciplinary art curriculum. Educational methods, approaches and strategies: Developing art activities for young children. Sustainable Art Education and Culture: Art in everyday life (values and attitudes). Art in natural and man-made environments. Personal engagement with materials, ideas, images and artistic processes in various spaces and places (museums, outdoor natural environments, art studios, etc.).
EDU 363 Music Education in Primary School (5 ECTS)
An introductory course covering aspects of the field of music theory. Musical forms. A basic study of the fundamentals of music theory, form, music history and musical instruments. Development of elementary (basic) singing and instrumental performance skills. Introduction to music curriculum and planning in primary school. Fundamental methods, techniques and materials for the teaching of music.

EDU 368 Early Childhood Music Education II (5 ECTS)
Prerequisite: EDU 258

EDU 369 Play Learning and Development (5 ECTS)
The purpose of this course is for students to examine the different pedagogical aspects of the role and importance of play in the development and learning of children from infancy to kindergarten. More specifically, the different theories and types of play will be presented. Students will investigate the role of the early childhood teacher in supporting children’s play and the different ways play can be incorporated in the daily schedule at kindergarten. Finally, students will take on different roles and experience the feelings and knowledge that one can gain through play.

EDU 376 Physical Education in the Elementary School (5 ECTS)
Study of the content, curriculum, and effective teaching skills appropriate for the elementary school. Analysis of teaching methods and approaches of physical education in the elementary school. Study and implementation of principles of motor learning (movement education), effective instructional and managerial skills, unit and lesson planning, and observation of systems of instruction in elementary education. Emphasis is placed on the understanding, analysis, application and harmonisation of effective teaching skills with the content of physical education in elementary school.

EDU 377 Content of Physical Education in Preschool Education I (5 ECTS)
Study of the content of physical education in preschool education. Emphasis is placed on the understanding, analysis and application of the content of physical education in preschool education. Study and application of movement skills appropriate for children of preschool age.

EDU 378 Dancing in Kindergarten (5 ECTS)
The aim of this course is to familiarise students with the idea of using dance and creative movement in kindergarten as a tool for communication, learning and development. Information on creative programmes, choreographies, traditional and modern dances is provided. Through personal exploration and experimentation the students will become familiar with expression movement and will develop skills to use dance in kindergarten in pedagogically, aesthetically and developmentally appropriate ways.

EDU 390 Teaching of History (5 ECTS)
The course aims to familiarise students with different teaching approaches of History. Within this framework emphasis will be placed on basic steps of the teaching methodology: lesson targets, teaching process, teaching style, use of technology, lesson evaluation, etc. The use of history sources, the use of pictures as a source of information, values and ideas, new approaches in the teaching of History (multi-perspectivity, what does it mean to think historically, etc.) will be part of the course. Finally, teaching plans will be formulated during the course which will be applied in classes (demo lessons).

EDU 401 Educational Ideals and their Philosophical Grounding (5 ECTS)
In this course, certain philosophical aspects of pedagogical ideals which configure educational strategies and curriculum development will be explored and discussed. Given that all educational practices presuppose some sort of interpretation of woman and the world, our aim is to examine implicit assumptions about the subject of knowledge, the relation of knowledge and power, the transmittable cognitive material (e.g., hegemonic discourses), rational thinking, and school and society. The course will be thematic and will enrich future teachers’ theoretical background.

EDU 403 Comparative Education (5 ECTS)
Prerequisite: EDU 105

EDU 404 Curriculum Development (5 ECTS)
Basic terminology, types and categorizations of school curricula. Curricula and educational policy. Curricula as political, social, cultural texts. Developing and implementing curricula at the micro- and macro-level: philosophical orientations, aims and objectives; selection and organization of content; teaching approaches and learning activities; evaluation. Curriculum development and teacher professional identity: teachers as reflective professionals-scientists. Curriculum review, change and innovation. The hidden curriculum. School textbooks, educational materials and curricula. Critical analysis of curricula from Cyprus and other countries.

EDU 412 Organization and Administration of the Educational System (5 ECTS)
The course offers students a theoretical and a practical perspective in the area of educational administration. The former is achieved through the investigation of the main concepts and theories of educational administration. The latter is addressed through the examination of the structure and operation of the Cyprus educational system. Specifically, students are expected to adopt a critical perspective in the examination of the fundamental principles and theories of educational administration, and evaluate their practical implications for education. Moreover, the course offers an examination of research findings in educational administration and relates them to the effective operation of the school.
EDU 422 Greek Language Instruction II (5 ECTS)
Prerequisite: EDU 222

The purpose of this course is to critically examine central aspects of language teaching in primary education; special emphasis is placed on theoretical approaches and the latest developments in language teaching methodology. The objective of the course is to hone the theoretical linguistic and pedagogical background necessary both for integrated and creative language teaching and for developing a critical approach to newly emerging theories and methodologies on language instruction. Topics include: Linguistic competence and communicative competence. The grammar-centered and the communicative approaches to language teaching. Communicative situation, language functions, linguistic structure. Pragmatic and text-centered approaches. Orality and literacy.

EDU 424 Multiliteracies and Multimodalities (5 ECTS)
Prerequisite: EDU 222 (for Elementary School Teachers) and EDU 224 (for Kindergarten School Teachers)

The course aims to promote the awareness and comprehension of critical aspects of the evolving concept of literacy. The definition of literacy is reconsidered in light of (a) the new and developing understandings of its complex and multifaceted nature, and (b) the development of new media and technologies which reshape the literacy needs of modern individuals. In a subsequent phase, the course examines the multiliteracies model which has been developed in response to the multimodality of modern texts and to the synthesis of important ways of constructing meaning (e.g. different modes).

EDU 425 Teaching Greek as a Second Language (5 ECTS)
Prerequisites: EDU 222 (for Elementary School Teachers) and EDU 224 (for Kindergarten School Teachers)

This course focuses on issues arising from the teaching of Greek as a second language. In particular, it examines the concept of bilingualism from the scope of theoretical linguistics and sociolinguistics, focusing on the difference between the terms acquisition and learning and the wider framework of second language acquisition and teaching. Additionally, a review is carried out of the relevant pedagogical research conducted in Greece, Cyprus and other countries on the teaching of Greek as a second language, examining at the same time the proposed pedagogical models. Finally, the issue of intercultural education is also studied, interwoven in the wider efforts for successfully implementing bilingual and multilingual students in education.

EDU 426 Teaching Children's Literature (5 ECTS)
Prerequisites: EDU 222 (for Elementary School Teachers) and EDU 224 (for Kindergarten School Teachers)

The aim of this course is twofold: on the one hand it seeks to turn students into active readers of children's literature, and on the other to engage them in pedagogical issues on the teaching of literature in primary education. Hence, it offers the framework for experiential and reflective learning through the studying of children's books and their writers, for analyzing and creating literary genre and for dealing with methodological issues on the teaching of children's literature in primary school.

EDU 435 Natural Sciences in the Kindergarten School (5 ECTS)
Prerequisite: EDU 175

The development of preschool-age children's mechanisms of understanding the physical environment and its changes and employing simple methods and processes of natural sciences. Design of teaching interventions which can sensitize preschool-age children to the interaction between man and the environment and develop their readiness and appropriate attitudes for the teaching of natural sciences at the elementary level.

EDU 444 Advanced Topics in Music Theory And Performance, Creative Approaches in The Musical Activities (5 ECTS)
Prerequisite: EDU 363

An intensive study of the fundamentals of music through music theory, basic tonal harmony, ear-training and instrumental drills. Techniques of arranging, voicing and orchestration for primary school chorus and orchestra. Beginning instruction in applied music (second instrument).

EDU 445 Listening, Improvising and Composing in Primary School (5 ECTS)
Prerequisite: EDU 363

An intensive study and analysis of a) listening and b) improvising and composing as two of the fundamental musical activities for primary school. The experimentation with literature, materials and techniques appropriate for the development of these basic musical skills. Musical notation and graphic notation, teaching approaches for listening, improvising and composing, and appropriate literature and materials for primary school children.

EDU 446 Contemporary Trends in Music Education (5 ECTS)
Prerequisite: EDU 363

Selected topics on the philosophical, aesthetic, sociological aspects of the discipline of music education. Contemporary trends in the music curriculum and critical review of the existing primary music curriculum in Cyprus. Critical review of the principal music education methods (such as Kodaly, Dalcroze and Orff). Basic principles and practical applications for lesson planning.

EDU 451 Art, Environment and Culture in Education (5 ECTS)
Prerequisite: EDU 351


EDU 452 Contemporary Trends in Visual Arts: Visual Culture in Art Education (5 ECTS)
Prerequisite: EDU 351

EDU 453 Learning and Teaching Approaches in Art Education (5 ECTS)

Prerequisite: EDU 351

Contemporary views and theories in Art Education: Multiple and pluralist teaching and educational approaches. Analyzing issues concerned with creativity, inter-disciplinarity, identity, and citizenship. Designing and implementing Art Education activities involving children in various settings (e.g., schools, communities, museums).

EDU 456 The Content of Physical Education (5 ECTS)

Prerequisite: EDU 376

The course helps students to understand and examine closely the content of physical education in the primary school. Emphasis is placed on application of the content.

EDU 457 Methodology of Physical Education (5 ECTS)

Prerequisites: EDU 376 and EDU 456

Review and application of instructional skills of effective teaching of physical education. Study of learning principles, effective approaches, teaching methods. Planning and evaluation/assessment of student results. Analysis and application of ways of extending the programme of physical education and incorporation of elements of professionalism in the lesson. Procedures that promote academic learning and development of positive attitudes and experiences for all children.

EDU 458 Current Trends in Physical Education (5 ECTS)

Prerequisites: EDU 376, EDU 456 and EDU 457

The course examines current theories of teaching physical education. Study and application of teaching methods and styles of teaching and development of personal philosophy regarding physical education. Analysis of curriculum and teaching models. Emphasis is placed on the study of the basic principles of olympic education and sport education. In-depth examination of the interpretation and critical analysis of current scientific facts from around the world.

EDU 466 Learning Disabilities (5 ECTS)

Prerequisite: EDU 311

This course is addressed to students who have already completed the introductory course entitled ‘EDU 311: Introduction to Inclusive Education’. It is one of the three courses required for students who have selected the specialization route of Inclusive Education, and it is also offered as an elective for Pre-Primary and Primary Education students who are not specializing in Inclusive Education. The course addresses the basic issues of learning disabilities (such as definitions, characteristics, assessment for teaching purposes and teaching techniques), and focuses on developing skills for differentiation in the mainstream school class.

EDU 467 Difference and Exclusion (5 ECTS)

Prerequisite: EDU 311

A course which is designed for students who have already taken the introductory course EDU 311. The course deals with the notion of difference/differentiation in education and examines if and how individual differences constitute a reason for exclusion from the ordinary school. The notion of difference acquires various forms such as gender, behaviour, disability, nationality, etc. which in the context of the existing system offer fertile ground for exclusion via labelling. The course covers the theoretical grounding as well as empirical coverage for this phenomenon.

EDU 468 Special Needs in the Ordinary School (5 ECTS)

Prerequisite: EDU 311

A course which is designed for students who have already taken the introductory course EDU 311. The course is designed to reinforce the ideas acquired during the introductory course EDU 311. It examines in detail all the stakeholders involved in the process of inclusive education: the pupils themselves, their parents, their teachers, their peers, and it also examines aspects such as legislation and education policy. It offers the opportunity for a direct personal experience through a feasibility study.

EDU 471 Special Topics in Mathematics Education (5 ECTS)

The purpose of this course is to further develop prospective teachers’ understanding of specific topics from the field of mathematics education. The course deals with topics such as the philosophy of mathematics and its didactics, contemporary trends in mathematical assessment, the importance of affect and beliefs in mathematical learning, problem posing and problem solving, summative and formative assessment, the interpretation and critical analysis of current scientific facts from around the world.

EDU 472 Integration of Modern Technology in the Teaching of Mathematics (5 ECTS)

The purpose of this course is to help prospective teachers incorporate information technology in the teaching-learning process of mathematics. The course involves ideas of spreadsheets and databases in the development of mathematical concepts. It also shows how to use Logo and Gabri as a simulation instrument and as a research medium, as a medium of applying the scientific method, as a medium to support the teaching of science in elementary school. The course examines ways in which computer technology can support the teaching of science in elementary school. The purpose of the course is to make students aware of the computer as a simulation instrument and as a research tool. It is only as a medium for learning and instruction.

EDU 473 Didactics of Mathematics II (5 ECTS)

The purpose of this course is to help prospective teachers further develop their understanding of basic mathematical concepts and their didactics. Special emphasis will be placed on the cognitive abilities that are necessary to learn ratios and proportions, decimal numbers, probabilities, algebra and geometry in elementary school.

EDU 477 Computer Science Applications in the Teaching Of Science in Elementary School (5 ECTS)

The course examines ways in which computer technology can support the teaching of science in elementary School. The purpose of the course is to make students aware of the computer as a simulation instrument and as a research medium, as a medium of applying the scientific method, as a medium to facilitate student interaction with the course subject matter and, finally, as a medium for learning and instruction.

EDU 481 Christian Ethics and Modern World (5 ECTS)

God, human beings, nature; Sexuality, eros, love; Self-knowledge, sociability, ecology; Politics, economy, labour; Education, art, technology; Genetics, disease, death.
EDU 486 Modern Trends in Science Teaching at the Primary School (5 ECTS)

EDU 487 Physical Education in Preschool Education (5 ECTS)
Prerequisite: EDU 377
Analysis and application of current teaching methods and approaches of physical education in preschool ages. Study and application of principles of movement education, effective teaching and managerial skills, unit and lesson planning, observation of systems of instruction in preschool education. Application of ways of extending the programme of physical education and incorporation of elements of professionalism in the lesson. Procedures that promote the academic learning and development of positive attitudes and experiences for all children. Emphasis is placed on the harmonization of effective teaching skills with the content of physical education in preschool education.

EDU 488 Current Educational Dimensions of Biology (5 ECTS)

SCHOOL EXPERIENCE
ELEMENTARY SCHOOL TEACHER'S DEGREE
EDU 129 School Experience I (6 ECTS)
EDU 329 School Experience II (6 ECTS)
EDU 429 School Experience III (18 ECTS)
Field experience with the purpose of familiarising students with what takes place in a school setting, with planning for instruction and with the various roles undertaken by teachers in school settings.

KINDERGARTEN SCHOOL TEACHER'S DEGREE
EDU 239 School Experience I (4 ECTS)
EDU 339 School Experience II (6 ECTS)
EDU 439 School Experience III (20 ECTS)
Field experience with the purpose of familiarising students with what takes place in a school setting, with planning for instruction and with the various roles undertaken by teachers in school settings.

SEMINAR - SENIOR THESIS
EDU 490 Seminar - Senior Thesis I (5 ECTS)
Planning and executing a study on a topic relevant to Education Sciences under the guidance and supervision of a faculty member of the Department. The study may be based on empirical evidence and/or on a literature review.

EDU 491 Seminar - Senior Thesis II (5 ECTS)
Planning and executing a study on a topic relevant to education sciences under the guidance and supervision of a faculty member of the Department. The study may be based on empirical evidence and/or on a literature review. (Students who choose to complete a Seminar Thesis are exempted from two general educational courses).
### FIRST AREA: PEDAGOGICAL SCIENCES

**Compulsory Courses (40 ECTS)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDU 101</td>
<td>Introduction to Pedagogical Sciences</td>
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</tr>
<tr>
<td>EDU 138</td>
<td>Educational Technology</td>
<td>5</td>
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<tr>
<td>EDU 204</td>
<td>Methodology of Educational Research</td>
<td>5</td>
</tr>
<tr>
<td>EDU 218</td>
<td>Sociology of Education I</td>
<td>5</td>
</tr>
<tr>
<td>EDU 220</td>
<td>Theory and Practice of Teaching</td>
<td>5</td>
</tr>
<tr>
<td>EDU 304</td>
<td>Educational Evaluation</td>
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<tr>
<td>EDU 311</td>
<td>Introduction to Inclusive Education</td>
<td>5</td>
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<td>PSY 101</td>
<td>Developmental Psychology I: Birth and adolescence</td>
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**Elective Courses from the Department (20 ECTS)**

**Pedagogical Courses**

<table>
<thead>
<tr>
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<td>EDU 105</td>
<td>History of Education</td>
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<tr>
<td>EDU 118</td>
<td>Education and Gender</td>
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<tr>
<td>EDU 148</td>
<td>Educational Robotics</td>
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<tr>
<td>EDU 178</td>
<td>Education, Science, Technology and Society</td>
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<tr>
<td>EDU 201</td>
<td>Introduction to Philosophy of Education</td>
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<td>EDU 318</td>
<td>Sociology of Education II</td>
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<td>EDU 401</td>
<td>Educational Ideals and their Philosophical Grounding</td>
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<td>EDU 403</td>
<td>Comparative Education</td>
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<td>EDU 404</td>
<td>Curriculum Development</td>
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<td>EDU 412</td>
<td>Organization and Administration of the Educational System</td>
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<td>EDU 467</td>
<td>Difference and Exclusion</td>
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<td>EDU 468</td>
<td>Learning Disabilities</td>
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<td>EDU 481</td>
<td>Christian Ethics and Modern World</td>
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<td>PSY 120</td>
<td>Cognitive Psychology I</td>
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<td>PSY 170</td>
<td>Educational Psychology I: Child Development and Educational Applications</td>
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**PROGRAMME TOTAL**

**60**

### SECOND AREA: TEACHING METHODOLOGY

**Compulsory Courses (40 ECTS)**

<table>
<thead>
<tr>
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<tr>
<td>EDU 221</td>
<td>Early Literacy</td>
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<tr>
<td>EDU 222</td>
<td>Language Arts Methods</td>
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<td>EDU 331</td>
<td>Teaching of Mathematics</td>
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<td>EDU 336</td>
<td>The Teaching of Natural Sciences</td>
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<td>EDU 341</td>
<td>Theology and Christian Education</td>
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</tr>
<tr>
<td>EDU 351</td>
<td>Art Education in Primary School</td>
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<tr>
<td>EDU 363</td>
<td>Music Education in Primary School</td>
<td>5</td>
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<td>EDU 376</td>
<td>Physical Education in Elementary School</td>
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**Elective Courses from the Department (10 ECTS)**

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<td>EDU 158</td>
<td>Web 2.0 Tools: Learning and Teaching</td>
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<tr>
<td>EDU 214</td>
<td>Health Education</td>
<td>5</td>
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<tr>
<td>EDU 238</td>
<td>Design and Technology</td>
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<td>EDU 333</td>
<td>Modern Greek: Written Speech and Academic Writing</td>
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<td>EDU 343</td>
<td>Geography Education</td>
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<td>EDU 390</td>
<td>Teaching of History</td>
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<tr>
<td>EDU 391</td>
<td>English Language Instruction</td>
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<td>EDU 466</td>
<td>Learning Disabilities</td>
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**PROGRAMME TOTAL**

**50**

### THIRD AREA: CONTENT AREA STUDIES

**Compulsory Courses (40 ECTS)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>CS 002</td>
<td>Introduction to Computer Science</td>
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</tr>
<tr>
<td>MAS 051</td>
<td>Statistical Methods</td>
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<tr>
<td>LAS 090</td>
<td>Greek Literature</td>
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<td></td>
<td>or</td>
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<tr>
<td>LAS 093</td>
<td>Greek Language</td>
<td>5</td>
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<tr>
<td>EDU 171</td>
<td>Foundations and Fundamental Concepts of Mathematics I</td>
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<tr>
<td>EDU 186</td>
<td>Natural Sciences in the Elementary School: Environmental and Living Organism</td>
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<tr>
<td>EDU 187</td>
<td>Environmental Issues</td>
<td>5</td>
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<td>or</td>
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<tr>
<td>EDU 188</td>
<td>Experimental Study of Natural Sciences at the Primary Level</td>
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<tr>
<td>EDU 226</td>
<td>Greek Language Instruction: the Structure of Greek</td>
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<tr>
<td>EDU 271</td>
<td>Foundations and Fundamental Concepts of Mathematics II</td>
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**PROGRAMME TOTAL**

**60**
## TABLE A: PROGRAMME OF STUDIES FOR ELEMENTARY SCHOOL TEACHERS

<table>
<thead>
<tr>
<th>Area of Studies</th>
<th>Compulsory</th>
<th>Department Electives</th>
<th>General Education</th>
<th>ECTS</th>
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<tr>
<td>SECOND AREA: TEACHING METHODOLOGY</td>
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<td>THIRD AREA: CONTENT AREA STUDIES</td>
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<td>SPECIALISATION A’</td>
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<tr>
<td>SPECIALISATION B’</td>
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<tr>
<td>TOTAL</td>
<td>190</td>
<td>30</td>
<td>20</td>
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</tr>
</tbody>
</table>

### Art Education
- EDU 451 Art, Environment and Culture in Education 5
- EDU 452 Contemporary Issues in Art Education: Visual Representation in Art and Contemporary Culture 5
- EDU 453 Development of Art Educational Programme 5

### Music Education
- EDU 444 Advanced Topics in Music Theory and Performance, Creative Approaches in the Musical Activities 5
- EDU 445 Listening, Improving, and Composing in Primary School 5
- EDU 446 Contemporary Trends in Music Education 5

### Physical Education
- EDU 456 The Content of Physical Education 5
- EDU 457 Methodology of Physical Education 5
- EDU 458 Current Trends in Physical Education 5

### SCHOOL EXPERIENCE
- EDU 129 Elementary School Teachers Experience I 6
- EDU 329 Elementary School Teachers Experience II 6
- EDU 429 Elementary School Teachers Experience III 18

### SEPARATE COURSES
- Students who choose to complete a Seminar Thesis are exempted from two General Educational Courses.
# TABLE B: PROGRAMME OF STUDIES FOR KINDERGARTEN SCHOOL TEACHERS

## FIRST AREA: PEDAGOGICAL SCIENCES

### Compulsory Courses (45 ECTS)
- EDU 101 Introduction to Pedagogical Sciences 5
- EDU 102 Education and Praxis during infancy (0-3 years) 5
- EDU 138 Educational Technology 5
- EDU 202 Early Childhood Pedagogy 5
- EDU 204 Methodology of Educational Research 5
- EDU 220 Theory and Practice of Teaching 5
- EDU 304 Educational Evaluation 5
- EDU 311 Introduction to Inclusive Education 5
- PSY 101 Developmental Psychology I 5

**TOTAL 45**

### Elective Courses from the Department (25 ECTS)
- EDU 100 Olympic Education 5
- EDU 105 History of Education 5
- EDU 118 Education and Gender 5
- EDU 148 Educational Robotics 5
- EDU 178 Education, Science, Technology and Society 5
- EDU 201 Introduction to Philosophy of Education 5
- EDU 215 Family and Kindergarten: Relationships and Actions 5
- EDU 218 Sociology of Education I 5
- EDU 302 Principles and Perspectives of Early Childhood Education 5
- EDU 401 Educational Ideals and their Philosophical Grounding 5
- EDU 403 Comparative Education 5
- EDU 404 Curriculum Development 5
- EDU 412 Organization and Administration of the Educational System 5
- EDU 468 Learning Disabilities 5
- PSY 170 Educational Psychology I: Child 5
- PSY 120 Cognitive Psychology 5

**TOTAL 25**

**PROGRAMME TOTAL 70**

## SECOND AREA: TEACHING METHODOLOGY (65 ECTS)

### Compulsory Courses (45 ECTS)
- EDU 224 Forms of Language Expression 5
- EDU 325 Creative Drama 5
- EDU 332 Mathematical Concepts in the Kindergarten School 5
- EDU 348 Social Studies in the Kindergarten School 5
- EDU 352 Cultural Learning and Art in Pre-Primary School 5
- EDU 368 Early Childhood Music Education II 5
- EDU 369 Play: Learning and Development 5
- EDU 435 Natural Sciences in the Kindergarten School 5
- EDU 487 Physical Education in Preschool Education 5

**TOTAL 45**

### Elective Courses from the Department (20 ECTS)
- EDU 158 Web 2.0 Tools: Learning and Teaching 5
- EDU 214 Health Education 5
- EDU 221 Early Literacy 5
- EDU 238 Design and Technology 5
- EDU 333 Modern Greek: Written Speech and Academic Writing 5
- EDU 378 Dance in Kindergarten 5
- EDU 424 Multiliteracies and Multimodalities 5
- EDU 426 Children's Literature in Education 5
- EDU 466 Learning Disabilities 5

**TOTAL 20**

**PROGRAMME TOTAL 65**
### THIRD AREA: CONTENT AREA STUDIES

**Compulsory Courses (40 ECTS)**
- CS 002 Introduction to Computer Science 5
- MAS 051 Statistical Methods 5
- BMG 090 Greek Literature 5
  or
- LAS 093 Greek Language 5
- EDU 170 Pre-Math Concepts 5
- EDU 175 Natural Sciences in Pre-School Education: Environment and Living Organism 5
- EDU 252 Art Education in the Kindergarten 5
- EDU 258 Early Childhood Music Education I 5
- EDU 377 Content of Physical Education in Pre-School Education 5

### TOTAL
40

**Elective Courses from the Department (10 ECTS)**
- EDU 187 Environmental Issues 5
- EDU 139 Computer-Aided Learning in Kindergarten 5
- EDU 226 Greek Language Instruction: The Structure of Greek 5
- EDU 271 Foundations’ and Fundamental Concepts of Mathematics II or
- EDU 272 Topics from Modern Mathematics 5
- EDU 467 Difference and Education 5
- EDU 481 Christian Ethics and Modern World 5

### TOTAL
10

### SCHOOL EXPERIENCE
- EDU 239 Kindergarten School Teachers Experience I 4
- EDU 339 Kindergarten School Teachers Experience II 6
- EDU 439 Kindergarten School Teachers Experience III 20

**Note:** The students of the Department of Education may choose the courses below as Elective Courses from the Department but not as General Educational Courses.

### GENERAL EDUCATION COURSES FOR OTHER DEPARTMENTS
- EDU 100 Olympic Education 5
- EDU 118 Education and Gender 5
- EDU 178 Education, Science, Technology and Society 5
- EDU 333 Modern Greek: Written Speech and Academic Writing 5
- EDU 401 Educational Ideals and their Philosophical Grounding 5
- EDU 481 Christian Ethics and Modern World 5

### TOTAL ECTS

<table>
<thead>
<tr>
<th>Area of Studies</th>
<th>Compulsory</th>
<th>Department Electives</th>
<th>General Education</th>
<th>ECTS</th>
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<td>THIRD AREA: CONTENT AREA STUDIES</td>
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<td><strong>TOTAL</strong></td>
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</tbody>
</table>
**Introduction**

The Department of Law was founded in 2006. Its mission is to provide quality legal education to the students and the legal world of Cyprus (and, secondarily, Greece and the broader region). The Department of Law is pioneer in the study of Cyprus law and its development within the European context. The study of law in the Department encourages critical legal thinking, through the combination of theory, specialised knowledge and practical spirit. The Department also cultivates research. Its presence in international, European and domestic research activities is already strong, especially in the fields of criminal sciences, international law, European law, and international and European private law. The academic year 2008-2009 marked the launch of the undergraduate programme in Law. The first postgraduate programmes in Law are expected to start in 2014. The Department has been offering Law courses to students from other departments of the University since the 2006 Fall Semester.

**DEGREE IN LAW (LL.B.)**

Undergraduate studies in Law must be rigorous: they must meet the important, complex and social role of jurists, as well as the high requirements of those institutional bodies in Cyprus and abroad, entrusted with the conferral of professional qualifications to Law graduates. The University is entrusted with providing students a comprehensive legal education, acquainting them with the practical and ethical considerations they will face and instilling in them the necessary legal knowledge and methods. The University of Cyprus Law degree programme contains a strong core of 26 compulsory Law courses that cover all basic legal subjects. The student’s legal education is completed by the selection of elective courses of specialisation (eight or six, in case students choose to write an LL.B. thesis). Students will develop writing and research skills through the systematic use of written exercises and semester papers, as this is an important element of both compulsory and elective Law courses. Students who meet certain criteria may qualify for the option of preparing a diploma paper (LL.B. thesis). Proficiency in international languages, as well as familiarity...
with the basic principles of social, economic and political sciences are vital for the modern European jurist. For this reason, and conforming to university rules, the LL.B. programme is completed with courses in two foreign languages and elective courses from other departments.

Compulsory Courses in Law
The programme contains 26 Compulsory Courses (LAW 1xx, LAW 2xx and LAW 3xx codes) comprising a total of 162 ECTS. The Compulsory Courses in Law cover the basic legal subjects in each legal branch: private law (civil law, business law), public law (constitutional law, administrative law), criminal law, procedural law (civil, criminal, administrative procedure), international law, and European law. Legal theory (legal history, jurisprudence, legal method) is also a foundation of the Department's undergraduate studies. In each course, Cyprus positive law is the starting point, placed in a comparative and European context and viewed in the light of policy analysis. The Core Compulsory Courses in Law are taken in the second and third year of studies. The first year covers the introductory and fundamental legal courses. Only the most complex compulsory courses are taught in the fourth year.

Elective Courses in Law
In the third and fourth year of undergraduate studies, Law students are required to choose six to eight Elective Courses (depending on whether they opt for the thesis) offered by the Department. Elective Courses target specialised subjects of practical and theoretical interest, and assume adequate command of legal methods and basic legal institutions. Students are required to take at least four of the following Elective Courses:
- LAW 006 Legal Psychology
- LAW 408 Organised Crime
- LAW 411 Maritime Law
- LAW 414 Law of Trusts
- LAW 415 Copyright Law
- LAW 417 Competition Law
- LAW 419 Special Issues in Civil Procedure
- LAW 434 Media and Computer Law
- LAW 441 European Public Law
- LAW 445 Employment Law
- LAW 447 Environmental Law
- LAW 453 Law of the United Nations
- LAW 461 International Business Law
- LAW 463 Comparative Law

Each year, the Department offers a number of Elective Courses. Departmental Elective Courses carry LAW 4xx codes, while other Elective Courses open to students from other departments are coded LAW 0xx. There is no distinction, however, between LAW 4xx and LAW 0xx courses for the purposes of the undergraduate programme in Law.

Diploma Thesis
Fourth-year students have the option to undertake a diploma thesis (LL.B. paper) equal to 12 ECTS instead of two elective courses of the Department. To be admitted to the LL.B. thesis programme, an average grade of 7.75 is required.

Elective Courses from other Departments and Faculties
The Law programme allows students to take three Elective Courses outside the department, from at least two different faculties of the University during the first year. Each of these courses carry 5 ECTS. Law students are encouraged to take elective courses outside the Department in order to acquire basic skills and knowledge of social sciences and humanities.

Courses in Foreign Languages
The graduates of the Department of Law must have adequate command of English and of another foreign language. The programme of studies in Law requires the selection of four courses offered by the Language Centre (students are also able to use one of their elective course option to take another language). During the first semester, students are required to take the course LAN 109 (English for Legal Matters). Regarding the second foreign language (e.g., French, German), students are required to reach level B1 of the Common European Framework for Foreign Languages.

COURSE DESCRIPTIONS
Compulsory Courses

LAW 101 Introduction to Legal Method and the Study of Law (7 ECTS)

The course aims a) to present the major characteristics and principles of the legal system and b) to acquaint the students with the different sources of law and the methods to study them. In this framework, the course explains the important distinction between public and private law, as also the basic rules of the legal order (hierarchy of sources, legislative and judicial procedures). Further on, the structure of the legal rule and legal reasoning is presented in broad terms, followed by an introduction to the methods of interpretation of the law. The student is introduced to the legal profession and the skills required to study law.

LAW 102 Introduction to Private Law (7 ECTS)

Introduction to Private Law in Cyprus and Europe, aimed at acquainting students with legal thinking and providing them with fundamental legal knowledge. The first part of the course
introduces students to the sources, interpretation and fundamental notions of private law; the basic European legal traditions (Common Law and Continental Systems) and how Cyprus law conforms or differs. The second part of the course examines at length questions from the law of persons. The third part presents the other basic subjects and institutions in the private law of Cyprus.

LAW 104 Introduction to Criminal Justice (6 ECTS)

The course provides a critique of the criminal justice system. Following an introduction to the topic, it examines the international literature on police and policing in western countries, including police powers, citizens’ rights and police corruption. Attention is then drawn to judicial discretion in sentencing in common law countries and sentence severity, penal aims (i.e., rehabilitation, retribution, deterrence, social protection and denunciation). Finally, the course examines the use and impact of imprisonment and other sanctions imposed by the courts on convicted offenders.

LAW 105 Constitutional Law I (7 ECTS)

The rationale of the course is to examine the current state of the Constitutional Law of Cyprus. The historical development will be as important in this process as consideration of the future. Constitutional law can no longer be seen in isolation from European law and the constitutional arrangements of other jurisdictions (EU, ECHR). In addition, important aspects of the Constitution are analysed (separation of powers), as well as judicial decisions construing the Constitution (doctrine of necessity, protection of human rights).

LAW 106 Law of Contracts I: General Part (7 ECTS)

Contract law is at the heart of private law – a vital introduction to law, the foundation of transactions. Topics include the notion of contract and contractual obligation, the requirements for the formation of a valid contract, construction of the contract, contractual terms and matters arising in the course of contract performance.

LAW 171 European Legal Tradition (6 ECTS)

The course addresses the evolution of law (principally private law) in Europe and the formation of Western legal tradition, from graeco-roman times to present-day European with emphasis on medieval and early modern law. Western Europe is the course’s starting point, with the historical evolution of Greek law and the English Common Law in comparative perspective. The course also presents vignettes from the law of medieval and modern Cyprus.

Basic themes of the course include: unity and diversity in the evolution of European laws; creation and transformation of the learned tradition in law and its central role in the creation of a European legal civilization; the relationship between academic-learned law and legal-social practice; the role of, and relations between, ecclesiastical and secular state institutions; and the debates as to the nature of law (is it a technical system of institutions, a constituent of cultural identity, or an agent of social action?).

LAW 201 European Union Law I (6 ECTS)

The module introduces the organisational structure of the EU and focus on its legal system. Specifically, the emphasis is placed on the constitutional principles that the Court of Justice has formulated and on the peripheral and interconnected legal premises that complement the procedural law of the Union. Finally, the approach is on that examines simultaneously the legal response of the national legal orders on the basis of the analytical hypothesis stating that the evolution of EU law is the product of judicial dialogue.

LAW 202 European Union Law II (6 ECTS)

The module concentrates on the substantive law of the EU and on the four fundamental freedoms, with the emphasis being placed on the free movement of goods. In addition, the procedural law of the Union is full explored and explained as well as the different aspects of the jurisdiction of the Court of Justice.

LAW 205 Public International Law I (6 ECTS)

The course concentrates on the function, the basic concepts and fundamental principles of the international legal system, the means of international law-making and enforcement. It gives an overview of the traditional and contemporary theoretical approaches to international law, and examines the relationship between international law and domestic law in Cyprus and in other jurisdictions, the subjects of international law (states, international organizations, individuals, etc) and its sources (treaties, custom, etc). Using the Cyprus problem as a case study, the course emphasises the fundamental principles of international law, most notably the prohibition on the use of force and its controversial exceptions.

LAW 206 International Law II (6 ECTS)

The module focuses on the territorial dimension of International Law, with an emphasis on the sovereignty of the Republic of Cyprus and its jurisdiction in maritime zones. It further examines the means and mechanisms of implementing and enforcing international law, the rules of state responsibility as well as the United Nations and its multiple functions.

LAW 213 Family Law (6 ECTS)

The course examines the legal institutions governing family and interpersonal relations: formation and dissolution of marriage, relations between spouses, marital property, relations between parents and children, paternity, adoption, institutions for the care of disabled persons. The course also considers procedural matters arising with regard to the Family Court.

LAW 216 Law of Property (6 ECTS)

The course studies the philosophical and constitutional justifications of property, the concept and basic types of property rights, as well as the general principles governing property law. The emphasis of property law-including this course is traditionally focused on immovable property. The course addresses the historical evolution of the protection of immovable property in Cyprus, the categories of immovable property, the acquisition and the content of ownership and of other real rights, the restrictions of property, the encumbrances over property, the transfer of immovable property. The role of the Department of Lands and Surveys of Cyprus in the field of registration of immovable property is crucial.

LAW 241 Criminal Law I: General Part (6 ECTS)

After examining the concepts of crime and Criminal Law, the course provides a brief introduction to the historical development of Criminal Law in Cyprus and the aims of the criminal sanction. Attention then turns to the legal concept of crime and the essentials of criminal responsibility. In particular the course considers the theories on criminal act, the actus reus
International private relations (conflict rules, mandatory rules)

How may a foreign resident be notified of a suit against him? May law (legal characterisation, fraus legis, renvoi, preliminary evidence located abroad be used in court? The course examines the fundamental concepts and methods for regulating these international private relations (conflict rules, mandatory rules) and the problems in the general theory of private international law (legal characterisation, fraus legis, renvoi, preliminary questions, application of foreign law, public policy). It then considers the individual areas of private law (obligations contractual and in tort, property, family and succession).

LAW 307 Private International Law (6 ECTS)
Private International Law addresses cross-border relations between individuals: in the courts of which state will the disputes arising from such relations be litigated? Which law should apply? How may a foreign resident be notified of a suit against him? May evidence located abroad be used in court? The course examines first the fundamental concepts and methods for regulating these international private relations (conflict rules, mandatory rules) and the problems in the general theory of private international law (legal characterisation, fraus legis, renvoi, preliminary questions, application of foreign law, public policy). It then considers the individual areas of private law (obligations contractual and in tort, property, family and succession).

LAW 311 Company Law (6 ECTS)
Business corporations are the principal agent of economic activity in the modern world. After considering the central themes in corporate law, and presenting the basic features of commercial entities (partnerships, companies) in Europe today, the course focuses on the Cyprus Limited Company (LTD). The principal topics include: structure of the business corporation, rights and obligations of partners/shareholders, the role of management and workers, management and representation powers, decision-making processes, company property, dissolution and liquidation, accounting rules and principles.

LAW 314 Law of Torts (6 ECTS)
The subject of the course is the civil obligations created by unjust and harmful conduct against another person (including its property or legal interest). Taking the Law on Civil Wrongs as a starting point, the course examines specific types of torts, including battery and assault, defamation, and negligence. We consider the grounds for tort liability – intentional harm, negligent conduct, and strict liability. The course also reflects upon the relationship between torts and contractual obligations, as well as property rights, and the role of tort law in modern social and economic life.

LAW 318 Law of Succession (6 ECTS)
The course examines the substantive and procedural law of succession, testate or intestate: validity of wills, statutory limitations on testator’s freedom, interpretation of wills, intestate succession, protection of heirs and third-party rights. The procedures for securing succession and clearing the estate are also covered.

LAW 321 Civil Procedure I (7 ECTS)
The course studies civil litigation as a comprehensive legal phenomenon. General principles of civil litigation, organization and function of civil courts, role of the legal profession. Available remedies. Commencement of civil proceedings. Court hearings. Court judgments and their enforcement. Admissibility and grounds for appeal.

LAW 323 Administrative Law I (6 ECTS)
The course presents the definition and sources of administrative law, which is closer to the continental system rather than the common law system. The analysis of basic articles of the Constitution that constitute a legal foundation for the development of administrative law is crucial for the understanding of the general principles of administrative law. Also, the analysis of the administrative organisation of the state and the presentation of administrative bodies and organisations in Cyprus are essential parts of the course. From the matters of the character and categories of administrative acts to the content and application of Article 146 of the Constitution, which provides for the administrative action review, the course will combine theory with an extensive presentation of case law.

LAW 327 Administrative Law II (6 ECTS)
The course focuses on the forms of remedies provided in administrative law, in the course of extrajudicial protection of rights afforded to individuals. Particular emphasis is laid on the development of current review mechanisms of acts of the state as a result of the operation of independent bodies and state officers, such as the Office of the Commissioner of Administration (Ombudsman) or the Office of the Commissioner for Personal Data Protection. Then, emphasis is placed upon the systematic presentation of judicial process in relation to administrative differences and administrative trial at first instance and during the review process. In this framework, the suspension of administrative acts is also presented.

LAW 331 Contract Law II: Commercial Law (6 ECTS)
The emphasis of this advanced course on the law of obligations lies in business transactions, as well as commercial papers and the legal treatment of business people. The course also considers the basic principles of commercial law, the relationship and differences between commercial law and civil law. It studies in detail the principal commercial transactions, such as commercial sales, commercial agency, business financing, as well as the basic forms of commercial bills and papers.

LAW 342 Criminal Law II: Special Part (6 ECTS)
Focusing on the relevant provisions of the Constitution, the Chapter 154 of the Criminal Code and the case law by the Supreme Court, the course considers serious offences against the constitutional order and the international status of the country, crimes against public order and peace, crimes against the legal exertion of state power, against life, health and sexual self-determination, finally crimes against property and ownership on the one hand and against currency and documents on the other. Special attention is given to perpetrations against the person and against the property, according to the priority and detailed elaboration reserved to them in the common law tradition.

LAW 344 Criminal Procedure (7 ECTS)
Drawing on the Criminal Procedure Law and other relevant provisions and case law by the Supreme Court, the course examines the general principles of criminal procedural law, the jurisdiction arrangements, the pre-trial stage, especially the arrest warrant (including the European Arrest Warrant), the search order and the suspects’ rights. Attention then focuses on the intermediary stage (e.g., the detention order, the custody order and the indictment charges). Further, the course considers the trial (summons and subpoenaes, procedure in open court, evidence). To evidence is given special attention, whereby are analyzed the kinds of proofs and examinations, as well as their probatory force, the exclusionary rule and the scope of the freedom of the judicial judgment.
LAW 345 Civil Procedure II (6 ECTS)
Evidence law addresses the process by which a court may take knowledge and form opinion as to the factual basis of the case at bar. The course presents the basic categories of evidence, questions of admissibility. It scrutinises the fact-finding process and the procedural problems arising in legal practice. The role of appeal in evidence matters is also examined. The course emphasises the basic principles governing evidence law, and insists on the differences between civil, criminal and administrative litigation, as well as on the constitutional dimension of evidence law.

LAW 373 Philosophy of Law (6 ECTS)
The aim of the course is to examine the philosophical approaches concerning the nature of the law and its bonds with power and ethics. The course explores the division among the positivist and the natural law theories. The ideas of the most important philosophers of modernity, like Hobbes, Kant, Rousseau, Hegel, Marx and Nietzsche on law and the state are also taken into consideration, so that the students better understand the work of major legal philosophers of the 20th century, like Hart, Kelsen, Rawls, Dworkin and Habermas, as also the contribution of the Legal Realists and the Critical Legal Studies movement.

Elective Courses in Law

LAW 400 Diploma Thesis I (6 ECTS)
Prerequisite: Three years of studies in Law.

LAW 401 Diploma Thesis II (6 ECTS)
Continuation of the course «Diploma Thesis I».
Prerequisite: LAW 400

LAW 405 Criminology (6 ECTS)
The aim of the course is to introduce students to well-known theories of criminal behaviour and to examine in depth the etiology of serious crimes against persons and against property and, finally, to enable them to be critical in their approach to the phenomenon of crime in society. After an overview of contemporary criminology as a discipline, a number of theories explaining criminal behaviour are discussed: psychological (Freud, Eysenck) and sociological (the Chicago School, differential association, Marxist theory, labelling, and compound theories). Attention is drawn to offenders and crime victims in general.

LAW 406 Legal Psychology (6 ECTS)
The course considers the contribution of psychology (especially experimental and social psychology) to law in a number of areas. After examining how the gap between psychology and law could be bridged, attention is focused on the factors that impact adversely on the accuracy of eyewitness testimony, children as eyewitnesses, the psychology of the jury, sentencing as a human process and persuasion in the courtroom. Finally, lie–detection methods are considered as are suspect recognition procedures and police psychology. The aim of the course is to equip students with the specialist knowledge and skills required to answer certain questions in law, utilising knowledge in empirical psychology from a critical perspective.

LAW 407 Economic Crimes (6 ECTS)
Addressing economic crime from a criminal law and criminological perspective and focusing on particular categories of economic crime, the course first examines the concept of Economic Crime. Attention then focuses on different types of economic crime in Cyprus and overseas. Special attention is paid to offences involving obtaining money by deception and their investigation by the authorities in Cyprus, as well as how contemporary criminology accounts for them. Money–laundering and its relationship with corruption are discussed next. Finally, fraud detection and prevention by auditors are considered, as well as the issue of confidentiality in the lawyer – client and accountant – client relationship.

LAW 408 Organized Crime (6 ECTS)
The course is offered due to the organized crime's legal and legal–political actuality. It considers the notion of organized crime, especially after the UN Palermo Convention, its differences from classical group crimes, as well as from the economic crime, the procedural consequences of the phenomenon (i.e., intrusive investigative techniques, such as surveillances, exceptions from the protection of privacy, cross-checking of data etc.) and its correlation with similar crimes like drug trafficking, money laundering and terrorism. The course considers also the most important features of organized crime, especially trafficking in human beings. Finally, special attention is given to the analysis and functioning of the European Arrest Warrant.

LAW 411 Maritime Law (6 ECTS)
Course subjects include: fundamental principles and concepts in maritime law, sources and historical development of Cyprus and international maritime law, introduction to common shipping policy. Topics include: ship (identification, ownership, flag, exploitation), admiralty jurisdiction, liability and limitations, ship-building sale and purchase, arrest, security rights (ship mortgage, maritime lien), marine insurance, collisions, towage, salvage, marine pollution.

LAW 412 Bankruptcy Law (6 ECTS)
The course addresses the principles involved in bankruptcy law and company liquidation. The course examines various aspects of the bankruptcy process, including the automatic stay, the avoidance of pre-bankruptcy transactions (e.g., fraudulent conveyances and preferences), the treatment of executory contracts, the debtor's governance structure during bankruptcy, the financing of operations and investments in bankruptcy, sales of assets during bankruptcy, and the process of negotiating, voting, and ultimately confirming a plan of re-organization.

LAW 413 Special Issues in the Law of Obligations (6 ECTS)
This is an advanced course in the law of obligations, especially contract law. Special types of contracts and complex problems arising in contract law, special topics from the law of obligations, and the problems of concuring contractual and tort liability are studied. The course also examines in depth the so-called quasi-contracts.

LAW 414 Law of Trusts (6 ECTS)
Trusts are a valuable tool in economic life. The course evaluates the reasons and main occasions for setting up a trust. It also examines the basic types of trust, the legal relations between involved parties (settlor, trustee, beneficiary), the availability of judicial and administrative control over the trust's administration, and the use of so-called international trusts.

LAW 415 Copyright Law (6 ECTS)
The course examines the legal and institutional framework for the protection of copyright and neighbouring rights in Cyprus.
and Europe. The basic systems of copyright protection and Cyprus legislation are analysed in the light of technological and legal developments and especially the European Directives. The course also examines theoretical aspects regarding the function and future of intellectual property and its interrelationship with personality rights and community rights. Links are drawn to the growth of new technologies and developments in the fields of information and entertainment industries.

**LAW 416 Industrial Property (6 ECTS)**

Industrial property covers technical creations (patents, industrial designs), and distinctive marks (trademarks, labels of geographic origin). The course examines the rationale behind the acquisition of, and choosing between, industrial property rights; procedures for acquisition; economic exploitation of industrial property rights, licensing agreements; available remedies (civil, criminal, administrative) and enforcement measures.

**LAW 417 Competition Law (6 ECTS)**

The course covers both unfair competition and antitrust law. It studies the basic principles and institutions of European and national antitrust law, and the relationship between the two. In addition, the course studies the function of the Commission for the Protection of Competition and the judicial review of competition cases.

**LAW 418 Financial Law (6 ECTS)**

The course examines transactions concerning the financing of economic activity, as well as the institutional framework for their supervision and regulation. Emphasis is placed on bank transactions, insurance contracts and the operation of stock and commodity exchanges. The course also examines prudential institutions and the regulation of banks, financial and insurance institutions and market exchanges.

**LAW 419 Special Issues in Civil Procedure (6 ECTS)**

This is an advanced course in civil procedure. Emphasis is placed on special procedures, prerogative remedies and the taking of interim measures. The course also considers the operation of tribunals.

**LAW 434 Civil Procedure II (6 ECTS)**

This course studies the Cypriot and European legal framework which applies to mass media and legal questions related to the application of information technology. The course provides a comprehensive and critical approach on various modern topics which lie in the intersection of different legal branches (private law, commercial law, public law, criminal law). More specifically, the emphasis of the course lies on the constitutional protection of freedom of expression, the analysis of the legal regime of television and radio media services and of the rules for advertising.

**LAW 441 European Public Law (6 ECTS)**

The course concentrates on the nature, meaning and different manifestations of European Public Law as an independent and autonomous field of study. The multi-directional character of exchange of influences is analysed in detail, with specific reference to the protection of human rights, locus standi, the Ombudsman, principle of proportionality, legitimate expectations, access to documents and constitutional law in general. The course examines EPL as a dynamic process of exchange of influences between the EU, national legal systems and the ECHR, and it is from this perspective that a comparative analysis is undertaken.

**LAW 443 Employment Law (6 ECTS)**

The course studies issues related to Employment Law in Cyprus, and how it is being shaped in light of European harmonisation. Beginning with the doctrine of employment at will and its exceptions, the course considers public policy and private rights (as well as constitutional provisions) as limitations on the employer’s power to discharge and manage employees. The course also considers the basics of employment discrimination law, some legal issues arising before and after employment (employment references, covenants not to compete) the law governing wages and hours and questions of welfare and social security law.

**LAW 445 Ecclesiastical Law (6 ECTS)**

The course concentrates on Ecclesiastical law, the relationship between the Church and the State and on the nature of religious freedom, as well as on procedural matters of the organization of the Church.

**LAW 447 Environmental Law (6 ECTS)**

The course’s aim is to present the basic principles and rules of the legal protection of the natural environment, as they have been formulated by international conventions and European Law. Students are also introduced to relevant regulations of Cultural Law (protection of antiquities etc), as also Planning – Building Law. Concepts, such as biodiversity and ecosystem, as also fundamental principles, such as the precautionary principle and sustainable development, which have become necessary parameters of economic development, are explained and analyzed.

**LAW 449 Tax and Fiscal Law (6 ECTS)**

The course studies substantive and procedural tax law, as well as the legal aspects of public finance. The general principles of tax law, its position within the legal system, the concept and types of taxes, the basic concepts in taxation systems, and the constitutional and the legal boundaries of the state’s power to levy taxes are examined. The course considers Cyprus taxation law against the international and European background. The administrative and judicial remedies available are also examined.

**LAW 453 Law of the United Nations (6 ECTS)**

The course aims to familiarise students with the United Nations’ role, function and powers in the contemporary world. It examines the purposes and principles of the UN, the structure of the Organization and concentrates on UN (in)action in the fields of international peace and security and peaceful settlement of disputes, as well as human rights and development. It emphasises UN peace operations, including UNFICYP, and the legal problems arising from their increasingly expanding activities.

**LAW 454 Law of the Sea (6 ECTS)**

The course provides a comprehensive overview of the basic concepts of the Law of the Sea, drawing on the 1982 United Nations Convention on the Law of the Sea. It examines the rights and obligations of states in each maritime zone, such as the territorial sea, the contiguous zone, the exclusive economic zone, as well as the continental shelf and the high seas. Emphasis is placed on the practice and legislation of the Republic of Cyprus. The course also deals with the protection of the maritime environment and the mechanisms of dispute settlement.
LAW 455 International Criminal Law (6 ECTS)
The course examines the historical development, the notion and general characteristics of International Criminal Law, and the major international crimes (genocide, war crimes, crimes against humanity, etc). It further examines the basic elements of individual criminal responsibility, criminal prosecution and punishment in the case-law of domestic and international criminal courts. Finally, the course attempts a critical evaluation of the use and effectiveness of the system of international criminal justice.

LAW 456 Moot Court (6 ECTS)
The course prepares students to argue a hypothetical case on various issues of law as if before international and/or domestic tribunals, such as the International Court of Justice. Students are guided on drafting written briefs in English and then defending their arguments orally before panels of judges in the course of various moot court competitions held abroad. The most prestigious such competition is the Philip C. Jessup International Law Moot Court Competition which takes place in spring in the US capital, Washington D.C.

LAW 461 International Business Law (6 ECTS)
Introduction to the basic types of cross-border business transactions, the international legal framework governing them and the – judicial and alternative – methods of business dispute resolution. Topics include the institutions and sources of international commercial law, elements of international economic law, international sale of goods, uniform rules and trade usages for the sale and transport of goods, basic types of commercial documents, basic types of transactions for the distribution of goods and services or the financing of international business transactions, legal negotiation and methods for dispute resolution such as international commercial arbitration.

LAW 462 European Private Law (6 ECTS)
European integration affects every aspect of our social and economic life. This course examines the role of European integration in the transformation of the private law in the member states, especially in Cyprus. The introduction examines the institutional dimension of European Private Law, the underlying debates on unification-harmonization of laws and the methods used. The course will then deal with three specific topics: the general part of contract law, consumer protection, and contracts on financial services.

LAW 463 Comparative Law (6 ECTS)
The course addresses legal diversity and the method for studying foreign legal systems and comparing legal institutions. The course examines the basic characteristics of a legal system (legal sources, administration of justice system, notions of law, legal education and organization of the legal subject matter in fields, outside influences), the categorisation of legal systems in “legal families” and the use of defining notions such as legal system, legal tradition, legal culture. We also consider the methodology of comparative research (micro- and macro- comparison). The second part of the course presents the basic European legal systems, and vignettes from American law and Japanese law.

LAW 464 Alternative Dispute Resolution (6 ECTS)
The course combines the theoretical/interdisciplinary perspective on dispute resolution with the practical/workshop dimension. Theoretical and policy discussion on dispute resolution is followed by negotiation and mediation exercises.
# Analytical Programme of Studies

## 1st Year
### Fall Semester
- **LAW 101**: Introduction to Legal Method and the Study of Law 7 ECTS
- **LAW 102**: Introduction to Private Law 7 ECTS
- **LAW 104**: Introduction to Criminal Justice 6 ECTS
- **LAN 109**: English for Legal Matters 5 ECTS
- **LAN aaa**: Foreign Language Course I 5 ECTS
- **TOTAL**: 30 ECTS

### Spring Semester
- **LAW 105**: Constitutional Law I 7 ECTS
- **LAW 216**: Law of Property 6 ECTS
- **LAW 213**: Family Law 6 ECTS
- **LAW 241**: Criminal Law I: General Part 6 ECTS
- **LAN aaa**: Foreign Language Course II 5 ECTS
- **TOTAL**: 30 ECTS

### Year Total
- **TOTAL**: 60 ECTS

## 2nd Year
### Fall Semester
- **LAW 106**: Law of Contracts I: General Part 7 ECTS
- **LAW 201**: European Union Law I 6 ECTS
- **LAW 205**: Public International Law I 6 ECTS
- **LAW 323**: Administrative Law I 6 ECTS
- **XXX bbb**: Elective Course (outside the Dept.) 5 ECTS
- **TOTAL**: 29 ECTS

### Spring Semester
- **LAW 171**: European Legal Tradition 6 ECTS
- **LAW 202**: European Union Law II 6 ECTS
- **LAW 205**: Public International Law 6 ECTS
- **LAW 245**: Constitutional law II: Fundamental Rights 6 ECTS
- **XXX 4aa**: Elective Course in Law 6 ECTS
- **TOTAL**: 30 ECTS

### Year Total
- **TOTAL**: 59 ECTS

## 3rd Year
### Fall Semester
- **LAW 311**: Company Law 6 ECTS
- **LAW 314**: Law of Torts 6 ECTS
- **LAW 321**: Civil Procedure I 7 ECTS
- **LAW 342**: Criminal Law II: Special Part 6 ECTS
- **LAW 4bb**: Elective Course in Law 6 ECTS
- **TOTAL**: 3 ECTS

### Spring Semester
- **LAW 327**: Administrative Law II 6 ECTS
- **LAW 344**: Criminal Procedure 6 ECTS
- **LAW 373**: Philosophy of Law 6 ECTS
- **LAW 4cc**: Elective Course in Law 6 ECTS
- **TOTAL**: 31 ECTS

### Year Total
- **TOTAL**: 62 ECTS

## 4th Year
### Fall Semester
- **LAW 318**: Law of Succession 6 ECTS
- **LAW 331**: Contract Law II: Commercial Law 6 ECTS
- **LAW bbb**: Elective Course II: Commercial Law 6 ECTS
- **LAW 4ee**: Elective Course in Law 6 ECTS
- **LAW 4ff**: Elective Course in Law 6 ECTS
- **TOTAL**: 30 ECTS

### Spring Semester
- **LAW 307**: Private International Law 6 ECTS
- **LAW 345**: Civil Procedure II 6 ECTS
- **LAW 4ff**: Elective Course in Law 6 ECTS
- **LAW 4gg**: Elective Course in Law 6 ECTS
- **XXX ccc**: Elective Course (outside the Department) 5 ECTS
- **TOTAL**: 29 ECTS

### Year Total
- **TOTAL**: 59 ECTS

### Grand Total
- **TOTAL**: 240 ECTS
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<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
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<td>LAW 006</td>
<td>Legal Psychology</td>
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<td>LAW 007</td>
<td>Economic Crimes</td>
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<td>LAW 408</td>
<td>Organized Crime</td>
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<td>LAW 411</td>
<td>Maritime Law</td>
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<td>Bankruptcy Law</td>
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<td>LAW 413</td>
<td>Special Issues in the Law of Obligations</td>
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Introduction

The Department of Psychology is a newly founded and vital Department that aims at constantly being at the forefront of teaching and research. It offers a degree in psychology which allows its graduates to further specialise in a psychology area and practise the profession of psychology in accordance with the current legislation or follow an academic or research track. For graduates not interested or not able to continue their studies on a graduate level, there is a variety of professions for which a Psychology degree is useful. The Department emphasises research in many areas of psychology and especially in Educational, Cognitive and Developmental Psychology, areas for which it offers graduate programmes of study.

PROGRAMME STRUCTURE

The Psychology degree consists of 240 ECTS distributed among Compulsory and Elective Courses.

Courses by students from other departments. The remaining courses are credited with 6 ECTS, except laboratory courses, which are credited with 7 ECTS. Research courses (PSY 350, PSY 450) are credited with 3 ECTS. The undergraduate thesis (PSY 490, PSY 491) is credited with 12 ECTS.

The programme structure allows students the flexibility of either selecting courses in a variety of psychology areas or studying one area in depth. The Compulsory Courses ensure that students cover the basic material necessary to continue on to graduate programmes or to seek employment.

COURSE DESCRIPTIONS

PSY 100 Introduction to Psychology I (5 ECTS)

Psychology is the scientific study that aims to describe and explain human behaviour. More specifically, the science of psychology investigates the thought processes, feelings and behaviours of human beings based on the interaction between biology and environment. The goal of this introductory course is to offer certain scientific answers to fundamental questions.
about the following subjects: Development, Learning, Perception, Memory, Thought, Language, Motivation, Emotions, Personality, Psychotherapy, and Social interaction. In addition, this course offers review and discussion of theories and methods in different areas of Contemporary Psychology, such as Biological, Developmental, Cognitive, School, Social, and Clinical Psychology.

**PSY 101 Developmental Psychology I (5 ECTS)**

The course examines human development from conception to adolescence and the factors that affect it. The basic theories of Development (Biological, Cognitive-Developmental, Psycho-Dynamic, Behaviourism) are presented and discussed. The Physical, Cognitive and Socio-Emotional Characteristics of the individual during the different stages of development are also examined. Some of the particular topics that are included in the course are the following: Research methods, individual differences, and their assessment, genetic and environmental factors that influence Human Development, Cognitive Development, development of personality, Moral, Social and Emotional Development.

**PSY 102 Social Psychology I: Introduction to Social Psychology (5 ECTS)**

The course aims are introducing students to Social Psychology and explore the basic fields of Social Psychological Research. It also aims at the familiarisation of students with classical studies in Social Psychology, the history of Social Psychology and selected fields of Social Psychological Research like Social Behaviour and Intrapersonal Processes, Group Processes, Social Influence, Inter-Group Relations and the reduction of prejudice, and Social Representations. Special emphasis will be placed on the development of gender and national identity as these are articulated at different levels of analysis.

**PSY 103 Clinical Psychology I: Theories of Personality (5 ECTS)**

Basic theories of personality development will be discussed in this course, including Type-and-trait Theories, Factor Theories, Psychodynamic, behaviouristic and humanistic theories. Issues related to personality evaluation and therapy will also be examined.

**PSY 113 Work & Organizational Psychology (5 ECTS)**

The course of Work and Organizational Psychology contributes to our understanding of human behaviour in the workplace and covers both personnel issues such as selection and training and organizational issues such as decision making and organizational change and development. It explores the changing composition of the workforce, economic conditions and the effects of technology on the nature and content of jobs. Among the topics covered are research methods, principles and practices of work and organizational psychology, employee selection principles and techniques, performance appraisal, training and development at work, leadership and management in organizations, organizational change and organizational culture.

**PSY 118 Fundamentals of Human Sexuality (5 ECTS)**

The course aims are providing both theoretical and practical information based on recent research studies in the following subjects: Sexual Reproduction, Sexual Health and Illness, familial and erotic factors of sexuality, as well as the effect of religion in the growth of sexuality of the individual. Finally, the more important aim of this course is to assist students in living a healthy sexual life and develop a critical stance towards erroneous, stereotypical and malicious information around issues of sexual health.

**PSY 120 Cognitive Psychology I (5 ECTS)**

The course will provide a basic overview of the main areas of research in the field of Cognitive Psychology. The most important theories and findings from the areas of Attention, Perception, Memory, Mental Imagery, Knowledge Representation, Problem Solving, and Decision Making will be discussed. Through optional participation in empirical experiments, students may become acquainted with the methods and procedures of conducting research in the field of Cognitive Psychology.

**PSY 123 Psychology of Motivation (5 ECTS)**

The main topics concern external and internal motivation; motivation and learning process; motivation and goal achievement, school (academic) performance, attribution and its relation to school performance, locus of control and self-concept. Means of motivating students, teachers and parents.

**PSY 131 Psychology of Mourning (5 ECTS)**

The course examines the Psychological Parameters of loss, death, and mourning and their history in different cultural groups. Emphasis is placed on mourning stages and their meaning.

**PSY 132 Psychology of Happiness and Adaptive Behaviour (5 ECTS)**

The aim of this course is to examine the characteristics of happy and well-oriented people and the essential skills needed to confront everyday problems. Techniques of stress confrontation, skills in interpersonal relations, management of negative feelings and health maintenance will be addressed in a way that can be helpful to the personal, everyday life of students.

**PSY 170 Educational Psychology I: Child Development and Educational Applications (5 ECTS)**

The course examines psychological applications in the educational process. The following specific topics are included in this discussion: Child development – cognitive, emotional, social, the work of Piaget, Bruner and Vygotsky, as well as neo-piagetians, the context of development; importance of the family and school, motivation, attributions and self-efficacy. Group dynamics and classroom management.

**PSY 200 Psychobiology I: Biological Bases of Behaviour (6 ECTS)**

The course examines the relation between Biology and Behaviour, the effects of philosophy and biology on psychophysiology. It offers a general view of anatomy, physiology and pharmacology of the Central Nervous System (CNS) and an explanation of how the CNS affects behaviour. The role of the CNS in aggressiveness, sleep, sexuality and reproduction, nutrition, learning and memory is discussed. A general reference is made to the biological role of psychiatric disorders like stress, depression and psychosis.

**PSY 203 Memory (6 ECTS)**

This course aims at providing students with an understanding of the main Cognitive Processes that underlie memory. The course will offer an in-depth examination of how people encode in memory different types of information (e.g. verbal, spatial, visual) and how they recall this information from memory to carry out various everyday tasks. Among the topics that will be discussed...
are: Iconic And Acoustic Sensory Memory, Short-term Memory, Working Memory, the Various types of Long-term Memory (e.g., semantic, procedural, explicit and implicit memory), Forgetting, and Retrieval. Recent findings about amnesia and memory loss due to ageing will also be presented.

**PSY 204 Methodology I: Descriptive Research (7 ECTS)**

The course provides students with the basic knowledge and skills that are related to descriptive research in general, with particular emphasis on the relevant studies conducted in psychology. Taking into consideration the Philosophical and Epistemological Foundations of acquiring truth and reality, students are introduced to the various research designs of Psychological Descriptive Research. It is expected that students will acquire the skills to critically evaluate the findings of scientific research. It is also expected that the students will acquire basic skills of designing and conducting Psychological Descriptive Research.

**PSY 208 Health Psychology (6 ECTS)**

Health Psychology is the area of research and application that focuses on theories, methods and techniques related to health and illness. This course examines Bio-psycho-social Models that describe the processes leading to the maintenance of health, and the promotion of the psychological well-being of physically ill persons. The course also identifies the psychological and physiological responses of the individual within the social context in which the relevant health behaviours occur.

**PSY 216 Introduction to Psychoacoustics (6 ECTS)**

The course will present the Anatomy and Physiology of Hearing focusing on Auditory Processing for language perception. Methods of evaluation of Auditory Function, and Auditory Disorders (learning disabilities) will be detailed. Effects of auditory disorders on language and speech development, perception of oral and written language, and academic achievement will be presented in order to justify intervention for improvement of auditory function and optimisation of learning ability.

**PSY 217 Family Psychology (6 ECTS)**

The aim of this course is to present topics that are included in the four basic dimensions of Family Research: psychological, cultural, educational and clinical. Within the psychological dimension, the following topics are explored: parental role, adoption, family violence, divorce, reconstituted families, effects on children. Within the cultural dimension, the traditional family and its influences on the contemporary family are discussed. The educational dimension explores the relationships between the family and other institutions such as the school and the community. Finally, within the clinical dimension various family therapy theories and applications are presented and discussed.

**PSY 220 Clinical Psychology II: Abnormal Psychology (6 ECTS)**

The course is an Introduction to Psychopathology. It presents the various criteria for the diagnosis of psychological disorders, their characteristics, possible etiology, and approaches to assessment. Systems of classification are addressed, as well as the criteria that distinguish normal from abnormal behaviour. The course views psychological disorders as the consequences of psychosocial, biological and hereditary factors. Contemporary and effective treatments are also briefly discussed.

**PSY 223 Psychology of Individual Differences (6 ECTS)**

The course will provide a broad overview and general introduction to the Field of Individual Differences. Emphasis is placed on the use of genetic designs and research applications to study differential behaviour within various psychological domains. The course will introduce students to the principles of Psychometric Testing, and will also present and discuss some of the important psychological constructs on which humans differ, i.e., cognitive abilities, personality, learning disabilities, and psychopathology.

**PSY 301 Experimental Psychology Methods (7 ECTS)**

The course will provide students with the knowledge needed to design Experiments and to collect, analyse, and interpret Experimental Data. During this course, students will acquire skills in using the SPSS statistical package to analyse data and they will gain experience in preparing scientific manuscripts that follow the guidelines of the American Psychological Association (APA). Through in-class analyses and discussions of experiments from various concentrations of research in Psychology, the course aims at promoting students’ critical thinking.

**PSY 305 Behaviour Analysis and Modification (7 ECTS)**

An introduction to the Assessment of and Intervention in Behavioural Problems in the areas of clinical practice, work, and education. Structured observation, recordings and analysis of behaviour will be presented. Learning theories, including Classical and Operant Conditioning will be discussed, and reinforcement and punishment principles will be studied. Single Case-study Methodology and ABAB experimental design will also be discussed. Throughout this course, students are expected to develop an individualised behaviour modification plan to modify a personal area of need. This course requires laboratory participation.

**PSY 306 Introduction to Psychology II: Deontology and Ethics in Psychology (6 ECTS)**

Psychologists adhere to Ethics codes and to the rules and procedures used to implement them. Psychology students should be aware that the Ethics codes may be applied to them by state psychology boards, or other public bodies. The Ethics codes apply to psychologists’ work-related activities, that is, activities that are part of the psychologists’ scientific and professional functions or that are psychological in nature. Thus, in this course the principles of competence, integrity, professional and scientific responsibility, respect for people’s rights and dignity, concern for others’ welfare, and social responsibility are closely examined.

**PSY 307 Counselling Psychology (6 ECTS)**

The course examines the basic theories of Counselling that are appropriate for use with non-clinical populations. Interviewing techniques are presented, analysed and practiced by the students. Other individual and Group Counselling Methods are also discussed.

**PSY 314 Developmental Psychology II (6 ECTS)**

The course examines Human Development from a life-span perspective. Special emphasis is placed on the basic characteristics of adolescence (biological, cognitive, social and emotional). Adolescent problems, such as the relationship to authority, substance abuse, eating disorders, etc., are also described and discussed. Finally, the course discusses issues related to growing up, maturity and old age.
PSY 315 Social Psychology II: Intergroup Relations and Social Representations (7 ECTS)

This course will focus on two central fields of Social Psychology: Intergroup Relations and Social Representations. Regarding intergroup relations, students will be familiarized with the theoretical and practical approaches to intergroup conflict, prejudice and discrimination and improvement of inter-group relations (Intergroup contact, categorization, education in mixed contexts). Research findings regarding relations between ethnic groups, immigration and multiculturalism, coming from Cyprus, Europe and Worldwide will be discussed. Regarding social representations, the course will focus on social representations of national and gender identity. This course demands participation in laboratories.

PSY 316 Cognitive Psychology II: Attention and Perception (6 ECTS)

The course will present students with an in-depth analysis of the main theories and findings from the fields of attention and perception. Among the topics that the course will cover are the various functions of attention (e.g., divided and selective attention, vigilance, visual search), various topics in perception (e.g., visual and auditory perception, perceptual organization, pattern recognition, depth perception), the applications of attention and perception in daily life (e.g., visual illusions, change blindness), as well as a number of attentional/perceptual disorders (e.g., optic agnosia, Balint's syndrome, hemispatial neglect).

PSY 319 Interpersonal Processes (6 ECTS)

The course will explore core issues of the Social Cognition approach in social psychology like: Attitude Formation and Change, Social Information Processing, Cognitive Adaptation in a Social Environment, Emotion, Interpersonal relations, Agression and Altruism, Attribution theory, Affiliation attraction and Close relationships.

PSY 320 Learning Disabilities I: Attention Deficits (6 ECTS)

The course outlines the history of Attention Deficit Disorder, describes the core Symptoms of ADHD and discusses the various etiologies contributing to its development. It explains the developmental course and looks at accepted methods to assess and identify students with ADHD, and various treatment methods that are currently being used to treat the disorder. Theoretical models of ADHD are presented, which describe the many cognitive and social deficits in the disorder. Overall, the course emphasizes that ADHD involves more than just attention deficits – such as deficits with inhibition, self-regulation, working memory, executive functioning, and the organization of social behaviour.

PSY 321 Cognitive Science (6 ECTS)

Cognitive science as the science of the human mind aims at introducing students to the basic functions through which the human mind processes information and acquires knowledge. In particular, the course focuses on areas of Cognition, such as attention, perception, memory, thought, learning and language acquisition and language understanding, drawing upon a wide spectrum of resources from psychology, philosophy, linguistics, artificial intelligence and neuroscience.

PSY 322 Psychology of Reading (6 ECTS)

Reading is a basic skill that is a prerequisite for success in a variety of life and academic domains. Nevertheless, it is also a highly complex skill that requires the coordination of multiple Cognitive Processes like Perception, Encoding, Memory, and Thinking. This course examines these processes as they apply to reading tasks that range from word recognition to sentence and text comprehension. However, equal emphasis is placed on the outcomes of reading in terms of mental representations and knowledge acquisition (learning). Although the course focuses on competent reading, implications concerning reading ability, its measurement and development are also discussed.

PSY 323 Psychology of Language (6 ECTS)

Language is taught as a linguistic, biological and physical concept. Language Comprehension and Language Production. Language Development in children. Theories on the origin of language. Language and thought. Language and education.

PSY 324 Social Psychology of Cognitive Development (6 ECTS)

The course aims to familiarise students with a field of study situated at the interface of Social Psychology and the theories and Cognitive Development. Emphasis will be placed on the educational applications of social developmental theories in peer interaction and cognitive development as well as co-operative learning. The course will cover core theoretical approaches in the sociogenesis of the mind, including the work of G.H. Mead, Lev Vygotsky, and the sociological studies of Piaget. Finally, more recent research described as post-Vygostkian and post-Piagetian in relation to cultural psychology will be discussed.

PSY 325 Social Deviance and Illegal Behaviour (6 ECTS)

The course studies the psychology of individuals who violate the law or live on the margins of social life. The psychological profiles, Cognitive, Emotional and Behavioural Mechanisms that predispose one to develop antisocial behaviours will be examined. Social phenomena such as Family Violence, Serious Criminality, Substance Abuse and other addictions, as well as membership in cults and other countercultural groups will be addressed from a psychological perspective. The course will also address how the sociogenesis of the mind, including the work of G.H. Mead, Lev Vygotsky, and the sociological studies of Piaget. Finally, more recent research described as post-Vygostkian and post-Piagetian will be addressed.

PSY 326 Psychology of Substance Dependence (6 ECTS)

The course will address the Psychological, Social and Biological Factors that contribute to the Development and Maintenance of addiction to substances. Addiction to nicotine, alcohol and hard drugs will be addressed. The emphasis will be on the current research in the field dealing with the etiological mechanisms and predisposing factors in these disorders. Approaches to prevention, assessment and intervention will also be discussed.
PSY 343 Applications of Psychology and Field Experience (7 ECTS)

This course recognizes that Vocational Readiness is both a developmental and a complicated process for psychology students. The course will offer both knowledge and opportunities aimed at enabling students to gradually and systematically delineate their own vocational path. Professional issues in psychology and Vocational Development Theories will be discussed. Various specialties in psychology will also be presented during the lectures. Students will have an opportunity to explore their professional interests and to further develop their psychological mindedness, vocational skills, self awareness, and critical thinking through field experience and various visits to professionals in the community.

PSY 350 Research Experience I (3 ECTS)

Research Experience is optional. Students who are interested in participating in research projects should get the relevant permission and ensure the collaboration with a member of the Academic Staff, who will act as their Supervisor. Research experience should not be confused with the dissertation (PSY 490/491).

PSY 370 Educational Psychology II: Learning and Instruction (6 ECTS)

The course examines learning and the factors that influence it. Course organization is based on three related areas: learning processes, learning outcomes, and contexts of learning. Topics include: theories of learning, learning and memory, strategies, concept acquisition, knowledge acquisition, restructurings, and transfer, learning and intelligence, learning in cognitive and knowledge domains, learning and instruction, inductive and deductive approaches, learning tasks, and evaluation.

PSY 390 - Independent Study (6 ECTS)

In this course the students examine a topic of their interest which is not included in any specialised course. Students have to get permission from collaborating with a member of the Academic Staff who will act as their Supervisor.

PSY 401 Diagnostic Methods in Psychology (7 ECTS)

A review of the various Clinical Methods of Assessment used in diagnostic exploration. We will discuss the assessment of Personality, Intelligence, Behaviour, Adaptive Functioning, Cognitive Skills, and Affective Functioning. Psychometric issues, such as reliability, validity, norms, and standardisation of tests, will be presented. The dominant diagnostic coding systems will be presented. Ethical and philosophical issues in diagnosis and clinical assessment, such as social stigma, will be explored.

PSY 402 Theories of Mind and Consciousness (6 ECTS)

The problems of the human mind and its functions are the main topics of this course. Questions like what mind is, its relation to the body (the body-mind problem), the way it represents the environmental world and its functions, coordination of mental and somatic processes, unconsciousness and consciousness will be targeted for discussion, focusing on their representational aspects.

PSY 403 Cognitive Development (6 ECTS)

Advanced course that covers theories of the nature and course of human cognitive development from infancy to adulthood. The course begins by discussing theoretical issues related to: the structure of the human mind and then proceeds to explore the development of perceptual abilities and attention, examine the development of language and memory, describe several aspects of children’s conceptual development, and offers conclusions about the nature of development. This course is designed for students who have already attended courses in child and adolescent development. Most of the readings will be books and articles, which will be discussed in the class meetings.

PSY 404 Methodology II: Correlational and Experimental Research (7 ECTS)

The course focuses on specialised methodological issues and statistics in psychology. In the area of Correlational Research, students will be introduced to the methodological approaches that lead to Hierarchical regression and Factor Analysis. In the area of Experimental Research, this course covers simple and complex factorial designs with emphasis on both experimental design and statistical analysis. It is expected that students will acquire substantial skills in both Correlational and Experimental Designs and Statistics. It is also expected that students will be able to understand complex psychological studies and develop the skills to design and conduct psychological experiments.

PSY 407 Learning Disabilities II: Reading Difficulties (6 ECTS)

The course covers a wide scope of reading difficulties and dyslexia including the nature, causes, diagnosis, and various forms of treatment based on different underpinning theories and approaches. The course is divided into six parts: (1) review of the theoretical basis for reading difficulties; (2) identification of principles for diagnosis; (3) review of current reading tests and diagnostic materials; (4) study of the different subtypes of reading difficulties; (5) identification of principles for appropriate remedial programs, and (6) writing of case reports. Particular emphasis is placed on the phonological and cognitive correlates of reading difficulties in school-age children.

PSY 422 Psychobiology II: Neuropsychology (7 ECTS)

Neuropsychology examines the interrelationship between neuronal function and the effects of organic brain damage on brain functions. The course will integrate contemporary clinical and research paradigms in Neuropsychological Theories, assessment of Cognitive Abilities (e.g., memory, attention, language, visual-spatial abilities, verbal learning, etc.) and psychosocial functions. The effects of specific brain pathologies such as traumatic brain injury, stroke, brain tumors, and neurodegenerative disease (e.g., Parkinson’s disease, Alzheimer’s Disease, and small vessel disease) will be discussed in the context of the effects of those pathologies on the neurocognitive, behavioural, and psychosocial abilities (e.g., dementia, aphasia, apraxia, agnosias, personality changes, and depression).

PSY 423 Mental Retardation (6 ECTS)

The course is an introduction to the basic concepts of Mental Retardation associated with psychological, social and educational aspects. Special emphasis is placed on similarities and differences between Mental Retardation and normal development advocated by different theories, as well as classification, IQ, chronological and mental age (MA) relationship, motivation, personality, special classes and mainstreaming.

PSY 424 Knowledge Representation (6 ECTS)

The problem of Knowledge Representation in the human mind is an issue of great importance. Understanding the process of Knowledge Representation also requires knowledge of some basic concepts such as Propositional and Pictorial...
Representation, Neural Networks, Neural Distributed Representation, etc., associated with psychology, linguistics, neuroscience and AI. The course aims to acquaint students with various forms of representation and to provide a basic understanding of what representation of knowledge is about and how it influences the conception of human behaviour.

**PSY 425 Basic Human Pharmacology (6 ECTS)**

The course will discuss the relationship between chemical substances and brain function. The course will focus on the interrelationship between the neurochemical properties and events relating to the pharmacological action of prominent drug classes (e.g., stimulants, opiates, hallucinogenic, and psychotropic drugs) and their pharmacological action, and effects on behaviour (such as therapeutic, mood altering, dependency and other side effects).

**PSY 426 Advanced Topics in Clinical Psychology (6 ECTS)**

The course examines the science and practice of Clinical Psychology. It emphasises topics that are of concern to contemporary clinical psychologists, such as therapy effectiveness and how this is measured, prescription privileges, ethical and cross-cultural issues and other dilemmas. Research methods in clinical psychology are also discussed with an emphasis on clinical trials, experiments with N=1 and other approaches. Recent research in experimental psychopathology is also covered.

**PSY 450 Research Experience II (3 ECTS)**

Research experience is optional. Students who are interested in participating in research projects should get the relevant permission of and ensure the collaboration with a member of the Academic Staff, who will act as their Supervisor. Research experience should not be confused with the dissertation (PSY 490/491).

**PSY 490, PSY 491 Dissertation in Psychology (12 ECTS)**

The Dissertation is optional. Students who wish to complete a dissertation project should get the relevant permission of and ensure the collaboration with a member of the Academic Staff, who will act as their Supervisor.
## COMPULSORY COURSES
**17 Courses - 101 ECTS**

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## ELECTIVE COURSES FROM THE DEPARTMENT OF PSYCHOLOGY (99 ECTS)

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<td>PSY 250</td>
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## TWO COMPULSORY COURSES FROM OTHER DEPARTMENTS (10 ECTS)

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<tr>
<td>CS 001</td>
<td>Introduction to Computers</td>
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<tr>
<td>MAS 051</td>
<td>Statistics</td>
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## ELECTIVE COURSES FROM OTHER DEPARTMENTS (20 ECTS)

Any Elective Course from two other departments of the University of Cyprus corresponding to 20 ECTS (4 courses X 5 ECTS)
FOREIGN LANGUAGE (10 ECTS)
Two courses in a foreign language (Levels I and II)

**Notes:**
Students may select from the Elective Courses of the Department of Psychology. Furthermore, they can select two courses (up to 12 ECTS) from other departments, in addition to the four Elective Courses dictated by the University rules of attendance, which will be included in the 99 ECTS.

The Elective Courses include the following: PSY 390 Independent Study (6 ECTS), PSY 350 Research Experience I (3 ECTS), PSY 450 Research Experience II (3 ECTS) and PSY 490-491 Undergraduate Thesis (12 ECTS), enrolment in which requires approval of the professor.

- In PSY 390 students study a subject of their choice, not included in a Specialised Course. Students are exempted from an Elective Course from the Department of Psychology.
- Courses PSY 350 and PSY 450 are optional and students are involved in research projects conducted by the faculty of the Department, thus acquiring important research experience.
- The undergraduate thesis PSY 490-491 is also optional.
The students are exempted from TWO Elective Courses from the Department of Psychology.

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**GENERAL TABLE OF REQUIREMENTS**

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<td>Foreign Language Courses</td>
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<td><strong>Grand Total</strong></td>
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OBJECTIVES OF THE DEPARTMENT
The Department of Social and Political Sciences aims to promote research and knowledge in the fields of Sociology and Political Science. It also aims to raise awareness among the public at large on sociopolitical issues. Emphasis is placed on the creative interaction between theory, research and teaching.

POLITICAL SCIENCE
Political Science aims at the systematic study of political phenomena. It focuses on the concept of power and its concrete manifestations, especially in the context of social change and political development. Political scientists study the sources, instruments and scope of power, political institutions, political culture and ideologies. They are also concerned with the objective study and critical examination of human behaviour as well as the processes shaping the dynamics of the political system. The research methods, levels of analysis and theoretical approaches used by political scientists enable them to seek a better understanding of political processes at both the domestic and the international levels. Courses in the field aim to familiarise students with the subject matter and the analytical tools used for the study of politics.

SOCIOLOGY
Sociology is the science that analyses, causally and interpretively, the social aspects of human existence. Social action and, more generally, the social construction of reality are examined in the context of particular social formations, such as class, the family, ethnic and religious group. The sociologist focuses upon the processes of production, reproduction and evolution of society’s fundamental structures and institutions. Sociology, more than any other science, studies the behavioural and ideological changes associated with the passing of traditional society. A more perceptive and critical understanding of modernity constitutes the sociologist’s basic aim. The students of the programme are familiarised with sociological theory, methodology and the main research areas, acquiring skills that will enable them to achieve a systematic...
understanding of contemporary Cypriot society, as well as to compare it with other societies, modern or historical.

**JOURNALISM**

This new interdisciplinary and interdepartmental program, which is coordinated by the Department of Social and Political Science and runs in cooperation with the Departments of History and Archaeology and Byzantine and Modern Greek Studies, offers students an undergraduate Bachelor of Arts degree in Journalism.

**Programme Objectives**

The disciplines of Communication Studies and Journalism are becoming increasingly important, as, today, the acquisition, dissemination, exchange and management of information are a primary focus of a state's economic, political and cultural activities. This explains the recent development of the discipline, as well as the delineation of specific fields and the establishment of curricula for Communication Studies, Multimedia Studies, and Journalism. Therefore, most universities today offer programs in the above-mentioned disciplines, often incorporating courses from the Humanities and Social Sciences, which will ensure a multifaceted and pluralistic education for future journalists, while at the same time underlining the importance of technical/vocational training. The University's new program of study has been designed so that it combines academic training with practical applications and encompasses the wider issues of communication, media, technology and the study of social phenomena. The main objective of this program is to teach students how to understand, study and manage the communication revolution. Therefore, instruction will include, apart from the main courses of Journalism, courses in Political Science, Sociology, History, Literature and Foreign Languages.

**COURSE DESCRIPTIONS**

**Political Science**

**SPS 151 Introduction to Political Science (6 ECTS)**

The purpose of this introductory course is to familiarise students with the basic issues, concepts, research methods and theoretical approaches of Political Science. It includes an historical overview of the development of the discipline, but it focuses primarily on contemporary thematic orientations, approaches and research methods used for the study of political phenomena.

**SPS 152 Comparative Politics (6 ECTS)**

The course introduces students to Comparative Politics as one of the major areas of Political Science. It discusses and trains students in the comparative method of analysis and addresses basic concepts such as state, nation-state, political systems, political culture, political socialisation, social critique, political parties, interest groups and political development in a comparative setting. It examines case studies of European and other countries.

**SPS 153 International Relations (6 ECTS)**

Introductory course on the contemporary international political system with emphasis on the structures, factors and processes which form the world political scene and affect relations among states. Emphasis is placed on the role played by states, international organizations and other entities and factors in shaping the dynamics, issues and outcomes of international politics. Some of the basic concepts and issues examined include the state, international organizations, power, balance of power, national interest, diplomacy, international law, foreign policy, war and regional integration.

**SPS 154 Political Theory (6 ECTS)**

The purpose of this course is to familiarise students with classic texts. Further, basic concepts and ideas that shaped European political structures are explored.

**SPS 155 Foreign Policy (6 ECTS)**

The course offers an introduction to the fundamental concepts and major theories of foreign policy analysis, as well as a sketch of important decisions and actions in the foreign policy of a superpower (USA) and a middle power (Greece).

**SPS 156 European Integration (6 ECTS)**

An introductory course on European integration which looks at the basic concepts, trends and processes of political and economic integration. Issues of integration are examined from a historical and theoretical perspective focusing on the foundation and evolution of the European Communities. It also examines the potential, prospects and problems of the process of deepening and widening the EU.

**SPS 157 Political Analysis and Methodology (6 ECTS)**

This course introduces students to quantitative and qualitative methods of empirical research in the context of Political Sciences. The curriculum covers the use of existing data as well as the generation of new data. Students learn ways to use data from international studies such as the European Social Survey and to apply simple statistical methods using the R statistical package. In addition to quantitative methods, students will become familiarized with qualitative methods such as interviews, focus groups and observations.

**SPS 232 Gender, Power and Politics (6 ECTS)**

The course introduces students to the basic concepts (gender, sex, masculinity, femininity, gender roles, oppression, private and public spaces, power over and power to, the personal is political, etc.) and to the different kinds and goals of feminism as a social movement and ideology. The social construction of gender and how it differs in different cultures is also discussed. Analysis of social and political phenomena is presented through the gender perspective in Cyprus, and in various European and non-European societies, including the study of international women's conferences and their political implications.

**SPS 251 The Political System of Cyprus (6 ECTS)**

The course offers an historical, social, and political analysis of the pre- and post-establishment of the Cyprus Republic. Basic concepts such as Constitution, political system, citizens' rights and institutions are discussed with detailed reference to Cyprus.
A critical view of the Cyprus constitutions and detailed analysis of articles and treaties are also presented.

**SPS 256 Law and Politics**

This course examines the conceptual link between law and politics, as well as the political practices through which rights are restricted, pursued, and enshrined and justice denied and/or administered. That is to say, the politics of law and justice is examined beyond the conventional work of the judiciary. The course focuses on different themes, such as the drafting of constitutions in new states, transitional justice, revolutionary justice, the doctrine of necessity and regimes of exception, the supra-national and sub-national authorities administering justice, the role of international non-governmental organizations of human rights, etc.

**SPS 261 Comparing Political Systems (6 ECTS)**

The course critically examines a number of representative political systems (i.e., liberal democracy, federalism, Islamic democracies, Communitism and fundamentalism, etc.) as they apply to today’s world, using a multi-systemic and transnational approach. The end of the Cold War and a new world typology will be discussed. The new nation-states formed after 1989, their struggle toward democratisation, the phenomenon of globalisation and the dwindling role of the nation-state are topics that will be covered.

**SPS 263 Greek-Turkish Relations (6 ECTS)**

After a schematic introduction to the post-war foreign policies of Greece and Turkey, the course concentrates on the Aegean dispute, the Cyprus problem, and two crucial “triangles”: European Union-Greece-Turkey and Washington-Ankara-Athens.

**SPS 265 Ancient Greek Political Thought (6 ECTS)**

Examination and analysis of the ancient Greek’s contribution to the history of political thought. The period focused on is between the 5th and 4th centuries B.C., with emphasis on the Sophists, Socrates, Plato and Aristotle. Among other topics, the module focuses on discussions concerning the nature – law antithesis, justice and political obligation, the types and aims of political systems, and the concepts of happiness, polis and citizen.

**SPS 266 The Political System of the European Union (6 ECTS)**

The objective of the course is to familiarise students with the basic structures and functions of the EU. It places emphasis on the institutions of the EU, especially their composition, functioning and mission. It provides an historical overview of the evolution of the EU and its institutions, but the course has a contemporary focus on recent and current issues.

**SPS 267 Comparative Politics of Developing Nations (6 ECTS)**

A historical review of the development theories from the 1960s to the present will be discussed with reference to Latin American and the African states. The relationship between center and periphery and the different theoretical models used to understand and explain the domestic factors of the different developing nations, their similarities and differences will be highlighted. Reference will also be made to the developing countries’ relationship to the so-called First-world nations.

**SPS 269 Basic Principals of Political Economy (6 ECTS)**

The aim of the course is to familiarise students with the basic concepts and methods of political economy. Particular emphasis is placed on the theories of value, the repartition of incomes, the theories of crises as well as the evolution tendencies of a free market economy. The state and central bank policies within contemporary economies (fiscal policy, monetary policy, foreign exchange policy) are also examined.

**SPS 272 International Organizations (6 ECTS)**

The course examines the typologies and role of international organizations in the post-cold war era in dealing with international problems such as poverty, AIDS, disputes, environmental destruction, small arms proliferation, gender inequalities, violence against women, prostitution and trafficking, etc. The role of NGOs, their relationship to the states and other regional organizations in a changing world will also be studied.

**SPS 274 Human Rights (6 ECTS)**

The course looks at the content and protection mechanisms of human rights in the Republic of Cyprus as well as within the European Convention of Human Rights. The general theory of these rights is also considered, along with the question of the safeguard of these rights within the ambit of a potential solution to the Cyprus problem.

**SPS 275 The UN System (6 ECTS)**

A historical and critical presentation and analysis of the International Organization – i.e., what preceded its establishment and why the League of Nations failed. Examination of the different theoretical approaches (realism/neorealism, pluralism, Marxism/internationalism, theory of dependency and theory of conflict resolution) with reference to the study of the international organization. Detailed reference to the UN Charter, the structure and different bodies of the organization and their functions and limitations. Specific reference to UN interventions in various nation-states and evaluation of the effectiveness of such interventions.

**SPS 276 Hellenistic Political Thought (6 ECTS)**

Examination and analysis of the Hellenistic contribution to the history of political thought, focusing on the period from the 3rd century B.C. to the 4th century A.D. with emphasis on the work of politicians and rhetoricians, such as Cicero and Seneca, as well as philosophical schools, including the Epicureans and the Stoics. The module investigates both the continuation of the ancient Greek political thought, in which the city and its positive/moral law was the locus of attention, and the appearance of new political concepts, such as the cosmic city and natural law.

**SPS 277 Medieval Political Thought (6 ECTS)**

This course analyses and examines the Medieval contribution to the history of political thought between the 5th and 15th centuries, with emphasis on the work of such important thinkers as Augustine of Hippo, Thomas Aquinas, Marsilius of Padua, and William of Ockham. The module focuses on particular discussions concerning power, authority and jurisdiction within the broader context of investigating the relationship between the Church and the emerging states.

**SPS 278 Comparative Media Politics (6 ECTS)**

The course offers a comparative examination of the interaction between the media and politics. It examines the role of the media in modern democracies, concentrating mainly on Europe and the United States. It looks into the alleged effects of the media in terms of how citizens think, in regard to policy-making and the electoral process. The course examines issues such as media
ownership, the relationship between the media and the state, the modern challenges for public television and the future of journalism in the age of blogs, Twitter, Facebook and Youtube.

SPS 279 Comparative Public Policy (6 ECTS)
The course examines public policy in a number of countries including Germany, the UK and the US. It analyzes the factors shaping public policy and the economic, political and social consequences stemming from the implementation of these policies. It investigates particular policies like those associated with the welfare state, administrative reform and immigration policy.

SPS 280 Gender Conflict and Peace (6 ECTS)
This course examines the gendered aspects of international conflict and peace processes. It focuses on feminist theories and theories of power in explaining the gendered aspects of inter-ethnic and international conflicts. It will examine topics and analyse them through a gender lens and gender violence perspective. The class will look at certain specific cases (including the Cyprus case) and also focus on the obstacles to integrating a gender perspective into peace building processes and how these can be overcome.

SPS 281 Contemporary Political Thought (6 ECTS)
The course examines the development of Political Thought from Machiavelli to J.S. Mill, and analyses the contribution of modern political theorists to the debates over liberty, property, political obligation, social contract, justice, rights, sovereignty and power.

SPS 282 Political Ideologies (6 ECTS)
The course examines the role of ideology in reforming and legitimising constitutional forms and governmental structures. It explores analytically the content as well as the historical references and philosophical roots of the most significant ideologies, such as Liberalism, Socialism, Nationalism, Anarchism and Feminism.

SPS 283 Gender and Migration (6 ECTS)
The course examines the recent (from the end of the Cold War and into the 21st century) migration phenomenon from gender, race, and age perspectives. It will utilize theories on issues of citizenship, discrimination and equal human rights. It will critically examine the liberal conceptualization of citizenship which presumes that individual citizens have equal rights, status and duties in relation to the state and how these rights apply, or do not apply, to migrants, both men and women. Both feminist theories and empirical research will be used to explain the gendered migration phenomenon in the 21st century.

SPS 314 Political Sociology (6 ECTS)
The course is a systematic introduction to the basic concepts, methodology and empirical research of political sociology. The social basis of politics is examined through the analysis of different systems of political organization, different forms of political action, the role of ideology and the processes of political conflict and change. Special emphasis is placed on theoretical issues, always in relation to the analysis of empirical data from Cypriot and other societies.

SPS 348 Applied Qualitative Research (6 ECTS)
The aim is for each student to complete a piece of qualitative research. Students will go through all necessary stages: definition of research question, finding the necessary bibliography, research proposal, the research itself, presentation of research results, the written research paper, and a critical self-evaluation. The course is taught as a seminar based on student presentations and discussion.

SPS 360 Globalization (6 ECTS)
The issue of globalisation is examined through various disciplines and perspectives. The first question raised is whether this involves a radical rupture with, or continuation of, modernity or whether it is simply an emotive rhetorical appeal. Topics discussed include the following: westernisation, modernisation and hegemony, the shifting role of the “nation-state”, the role of the economy, changes in institutions like tradition and the family, transnationalism and inter-state linkages, mobility (people, goods, capital and information) and the role of the mass media.

SPS 361 Cyprus and the European Union (6 ECTS)
The course explores basic issues and aspects of the relations of Cyprus with the European Union beginning with the signing of the Association Agreement in 1972. There is emphasis on the period dating to the submission of the application for membership in 1990. There is also discussion of the political aspects of EU membership and related issues in the context of Cyprus’s European orientation. The structures, functioning, deepening and widening of the EU are some of the issues examined from the viewpoint of Cyprus as a member state.

SPS 365 Plato’s Political Thought (6 ECTS)
Examination and critical analysis of Plato’s political theory on the basis of his writings. The course also explores Plato’s reception throughout the centuries along with the ideological appropriation of his major political theses.

SPS 366 Social Contract Theories (6 ECTS)
The course examines the background and philosophical debate that led to the theory of the Social Contract, initially as the product of the philosophy of natural law and subsequently as an integral part in the theory of classical liberalism. It also examines how the theory of the Social Contract was transformed in the 18th century, and looks at the consequences of the critique addressed to it by the major representatives of utilitarian political philosophy.

SPS 367 Theories of Political Justice (6 ECTS)
The course analyses the major theories of political justice, from antiquity to the present. It discusses the arguments over the source, the nature and the scope of justice, and explores its meaning. It also identifies the fundamental principles which form the foundation of a just order.

SPS 370 The Clientelist State
The course examines the historical roots, the main characteristics and the basic structure of the ‘clientelist state’. It focuses on possible explanations for the establishment of the clientelist satte. It seeks to understand how the clientelist state shapes the political system, political culture and political reform. It analyzes on a comparative basis Cyprus and other cases in Southern Europe and Latin America.

SPS 373 The Cyprus Problem (6 ECTS)
A multi-disciplinary approach (historical, sociological, social anthropological, social psychological and international relations perspectives) to the Cyprus conflict. Causes and kinds of international conflicts and the role of international law. Methods
and tools of resolving international conflicts with specific reference to the Cyprus negotiations-official and unofficial diplomacy. Reference to third-party interventions and their effectiveness and limitations in the case of Cyprus.

**SPS 376 Conflict Resolution (6 ECTS)**

Introduction to the theories and practice of the interdisciplinary field of the science and art of Conflict Resolution. Basic concepts will be outlined and the conflict theories and causes of war will be presented. Analysis of different kinds of conflicts, and the causes of ethnic and international disputes will be discussed. Official and unofficial diplomacy, their contribution and limitations and practices in various case studies will be studied. Presentation of tools used in the diagnosis, analysis, and intervention of third parties in facilitating the resolution of protracted international disputes, such as that in Cyprus. Simulation exercises will also be used.

**SPS 377 Power and Legitimation in International Politics (6 ECTS)**

This course examines how the power of state and non-state actors is legitimated and challenged in international politics. It engages with conceptual problems and theoretical discussions around questions of power, legitimacy and legitimation and focuses on the following topics: the selective use and interpretation of the rules of international law; the legal and illegal use of force; the role of great and regional powers in maintaining or endangering international order; the creation of states, military bases and regimes of exception; the use of soft power and public diplomacy; and the management of the global commons.

**SPS 378 Economy and Politics (6 ECTS)**

Political and economic thought are interrelated and interdependent. Liberal theories are related to the classical and neo-classical economy, socialist ideas are related to “the critique of political economy”, etc. Aim of the course is a more profound understanding of the competing political ideas/ideologies of contemporary times, through the presentation of the principal historical schools of economic thought.

**SPS 382 Contemporary Political Theory (6 ECTS)**

The course examines the production of political theory since John Stuart Mill’s constructive criticism of classical possessive liberalism. Basic concepts such as liberty and justice, rights and obligations, social contract and property are revisited. The contribution of John Rawls and Robert Nozick to these discussions is the focus of our review of twentieth-century political thought.

**SPS 383 Political Parties and Elections**

Although most citizens of most countries today are dissatisfied with political parties, among scholars there is virtual unanimity that parties are essential for making any kind of democracy work. However, there is no consensus about the nature of the parties that democracy requires. Political Parties and Elections, is a political science course focusing on political parties as organizations of mobilization, and on elections as democratic means of citizen expression as well as the means by which states can control their citizenry. One goal of this course is to expose you to the variety of parties and party systems as well as electoral systems that can be found in Europe today. A second goal is to introduce basic comparative concepts and theories. The course studies political parties, first, at a systemic level and, then, at an organizational level. The first approach is associated primarily with understanding party systems: their origins, patterns, stability, and latterly instability. As we moved into the 1980s, the attention switched to the organizational level, trying to get inside the ‘black-box’ of the party organization, to understand how parties compare across nations and over time, and assessing the question of their possible demise. At the end of the course you should have developed the following knowledge and skills:

- The meaning and definition of parties, party systems and electoral systems.
- Explanations for why party systems are/were stable and how they might be categorized.
- Examining parties from inside.
- The key analytical and theoretical skills for understanding party politics in Europe.

**SPS 384 Enlightenment Political Thought (6 ECTS)**

Introduction to the classic texts of political thought written during the Age of Enlightenment, with emphasis on the ideas of reason and progress, liberty, equality and nature. Examination of the connection between Enlightenment ideas and the American and French revolutions at the end of the 18th century, as well as the conflict between Enlightenment and Romanticism.

**SPS 385 Utopian Socialism and Marxism (6 ECTS)**

Examination and analysis of nineteenth-century socialist thought, with particular emphasis on the classic distinction between “utopian” and “scientific” socialism. The differences between the various socialist approaches are examined in relation to the proletariat’s capacity as an agent of change, the role of revolution in social reform, and the role of capitalism in social development.

**SPS 386 Right-wing Radicalism (6 ECTS)**

The course examines the historical roots, evolution and theoretical explanations for right-wing radicalism. It focuses in the ascendance of this phenomenon in the interwar years and discusses its evolution in the postwar period. It analyzes and compares individual cases of right-wing radicalism and the factors explaining its rise in some periods, especially in western Europe.

**SPS 387 Radical and Revolutionary Left (6 ECTS)**

The course examines the historical origins, evolution and theories explaining left-wing radicalism. It focuses on the growth of this phenomenon after the Russian Revolution, emphasizing recent forms, notions and theoretical approaches of radical left movements, parties and organizations, as they have evolved since May 1968.

**SPS 388 Environmental Politics (6 ECTS)**

This course examines the politics of state and non-state actors in relation to the exploitation, protection and management of the environment. It deals, inter alia, with the political theory of ecology and the international conventions on the environment, and focuses on topical issues such as global warming, deforestation, rising sea-levels, waste management, overexploitation and sustainable development, environmental refugees, etc.

**SPS 389 Politics and the Arts (6 ECTS)**

This course examines how the arts can be used both to promote political meanings and messages, and to reinterpret...
conventional practices while projecting alternatives views of the political. Specifically, this course focuses on the relationship between politics and aesthetics, and through this analyses sites and works of art, including the performing and visual arts as well as literature.

**SPS 390 Parties, Politics and Democracy in Southern Europe (6 ECTS)**

The course examines politics in southern European countries, including Greece, Spain, Portugal, Italy and Cyprus. It focuses on the historical evolution of democratic institutions, and analyzes the state structures, party systems and political culture of these countries. It looks into how the differences in the historical evolution of democracy have shaped contemporary politics in southern Europe. The course examines phenomena like the clientelist state, political polarization, the collapse of the party system and radicalism. It examines how these phenomena affect or are affected by economic crises.

**SPS 393 International Relations Theories (6 ECTS)**

The course examines basic concepts, theories and approaches of international relations through the work of prominent scholars. There is emphasis on key issues and levels of analysis that will provide a better understanding of the structures, processes and factors that form the world political scene and affect the behaviour of states and other international actors.

**SPS 396 European Foreign and Security Policy (6 ECTS)**

The course examines the main structures, factors, processes and parameters shaping and implementing foreign and security policy in Europe. Emphasis is placed on the EU but individual states are also examined. The approach of the course is primarily historical and theoretical, but there is some focus on the prospects and potential of the EU to play a role in the international political scene. In the context of EU Common Foreign and Security Policy, the role of Cyprus is also examined.

**SPS 451 Special Issues in International Relations (6 ECTS)**

The course is presented in seminar format and examines in depth major contemporary issues in International Relations. It offers students an opportunity to improve their capabilities and skills in theoretical thinking and empirical research.

**SPS 452 Special Topics in Comparative Politics (6 ECTS)**

The course is presented in seminar format and examines in depth specific contemporary phenomena in Comparative Politics. It aims to equip students with research skills and theoretical frameworks of analysis to look at various political phenomena in a comparative perspective.

**SPS 453 Strategy and War (6 ECTS)**

This course examines the theory and practice of strategy as well as the causes and consequences of war. Following an introduction to classic and contemporary theorists of strategy and war, it focuses on issues such as the relationship between war, law and morality, the character of interstate, world and civil wars, the new wars, the representation of war, coercive diplomacy, weapons of mass destruction, terrorism, child soldiers, etc.

**SPS 454 Global Security (6 ECTS)**

This course examines security as it extends to transnational concerns with global implications, leading frequently to multilateral collaborations. The study of global security includes conventional and critical security studies, and is therefore not limited to state-centric military-anchored matters but covers human security, regional security complexes, and widened security agendas, including, inter alia, concerns about the environment, society, the economy, migration, violence, health, resource scarcity, etc.

**SPS 455 Special Issues in Foreign Policy (6 ECTS)**

The course is presented in seminar format and examines in depth contemporary and current issues in foreign policy analysis. It will give students the opportunity to improve their capabilities in theoretical and empirical research in the formation of foreign policy.

**SPS 456 Global Commons (6 ECTS)**

This course examines the involvement of international actors in the definition, exploitation and management of the global commons, that is to say, areas over which states have no sovereignty or only limited sovereignty. It introduces and interprets the value conflict between "creeping territoriality" and "world heritage of humankind", and focuses, inter alia, on the cases of the oceans, the Arctic, Antarctica, international rivers, cultural heritage, biodiversity, endangered species, and outer space.

**SPS 462 Common Policies of the European Union (6 ECTS)**

The course looks at the theory and practice of EU Common Policies as tools of integration. It provides an historical background and explores the circumstances and political environment which influence their evolution and formulation. It examines basic issues at the conceptual and theoretical level. It also focuses on special issues and policies of particular interest to Cyprus and the enlargement of the EU.

**SPS 463 Ethics of International Relations (6 ECTS)**

Part One offers a schematic introduction to fundamental ethical theories and the major theories of International Relations, as well as a brief introduction to the main theoretical approaches of International Ethics. Part Two investigates such central ethical concerns as Human Rights, Foreign Aid, Military Interventions, Peacekeeping Operations, and Global Environmental Issues.

**SPS 466 The European Union as a Global Power (6 ECTS)**

The course investigates the European Union’s emerging role in the New International System. Without ignoring the issues of defence and security, the main emphasis is placed on the Union’s activities in the areas of foreign aid, environmental concerns, peacekeeping and humanitarian missions, the role of the EU in International Organizations and its relations with the United States.

**SPS 467 Gender and International Organizations (6 ECTS)**

The course focuses on the gender equality policy of the European Union, the Council of Europe and the United Nations. The aim of this course is to provide students with theoretical and empirical tools. While there is significant coverage of EU policy and practices, the course also seeks to expose students to international events and issues. Students are expected to acquire a broad understanding of the gender dimension both as an adaptation pressure for domestic policy and as a useful policy instrument for forward-looking international strategies.
Critical Theory inherits and critically renews German political philosophy, in particular Hegel’s and Marx’s work. The course focuses on the contribution of Critical Theory to the analysis of the Enlightenment, contemporary western democracy and totalitarianism in its contemporary “traditional” and original forms.

**SPS 481 Special Issues in Political Theory (6 ECTS)**

The course explores major issues in political thought through the writings of selected political philosophers. During the course, students analyse one or more philosophers by reading their original works as well as critical material.

**Sociology**

**SPS 101 Introduction to Sociology (6 ECTS)**

The course is an introductory overview of sociological theory, methodology and research. Its aim is to familiarise students with sociological thinking and argumentation. Special emphasis is placed on the character of sociology as a science and the historical evolution of the discipline, both in Europe and the USA.

**SPS 102 Classical Sociological Theories (6 ECTS)**

The course is a systematic introduction to the work of the classic thinkers of the discipline. The aim is to familiarise students with the main issues and problems of sociological theory up to WWII. Special emphasis is placed on the methodology of sociology, modernity and the key characteristics of capitalist society. The course emphasises the importance of classical texts and examines the role they continue to play in sociological thinking.

**SPS 105 Introduction to Social Anthropology (6 ECTS)**

Social anthropology focuses on the comparative study of society and culture. It aims to reach an understanding of other peoples and societies, as well as to further the understanding of one’s own society by reflective mirror. It poses a strong challenge to ethnocentrism and attempts to promote understanding and tolerance among different peoples.

**SPS 146 Introduction to Qualitative Social Science Methodology (7 ECTS)**

The course presents the scientific method of investigating social phenomena. The purpose of this course is to familiarise students with methodology as a part of logical analysis or simply, scientific research. Methodology encourages students to work empirically and to examine and redefine theoretical concepts. The course cultivates habits of scientific thinking which are necessary to counter prejudice. Students are informed of standard scientific procedures and criteria of acceptance, which every discipline has developed. In addition to familiarising themselves with examples and literature from these areas, students are evaluated on the basis of practical short assignments that should cover at least three different research strategies.

**SPS 147 Introduction to Quantitative Social Science Methodology (7 ECTS)**

The course covers the foundations of the field, including the relationship between theory and research, the logic of causation, research design, ethics of research, issues of reliability and validity, etc. It provides students with an overview of the entire research process, including operationalisation, techniques for construction of questionnaires, indexes, scales and typologies, sampling, data analysis and different types of social statistics. In addition to familiarising themselves with examples in each of the above students are evaluated on the basis of practical short assignments that should cover all the major sub-divisions of quantitative research.

**SPS 211 Contemporary Sociological Theories (6 ECTS)**

Beginning with Parson’s emphasis on macro-sociology and functionalism, this course then examines various micro-sociological approaches as well as attempts towards the integration of sociological theory between these two poles. Each sociological model is examined by placing it within the socio-historical conditions of its creation. The central issue pursued involves the dualism of structure and action, along with the efforts to transcend it.

**SPS 212 History of Sociology (6 ECTS)**

The course offers a brief historical overview of the evolution of sociological thinking from Comte to Parsons. The emphasis is on the breadth, and not the depth, of sociological thought. The course examines the key elements of the work of a wide range of sociologists in Europe as well as in the USA.

**SPS 213 Youth and Society (6 ECTS)**

The course focuses on the processes of the socialisation of young people in modern society and the various related issues. Specific topics include the development of personal identity among adolescents; the role of peer groups; the development of various subcultures; the role of the media; the role of sexuality; the relationship between family and teenagers and the impact of this relationship on the youth.

**SPS 215 Volunteerism: Theory and Practice (3 ECTS)**

The goal of this course is to provide education, engagement and awareness, train as well as mobilize students on volunteering possibilities in organizations in Cyprus. The aim is to develop the critical reflection of students on volunteering issues. The course will have a partly experiential character (non-formal learning), and it will also be based on academic literature.

**SPS 221 Sociology of Deviance (6 ECTS)**

The course is a systematic introduction to the conceptual and empirical bases of the sociological analysis of deviance and social control. Special emphasis is placed on the social construction of deviance and the role played by sociological categories such as social class and gender.

**SPS 231 Social Stratification (6 ECTS)**

The course introduces students to the basic concepts (gender, sex, masculinity, femininity, gender roles, oppression, private and public spaces, power over and power to, the personal is political, etc.) and to the different kinds and goals of feminism as a social movement and ideology. The social construction of gender and how it differs in different cultures is also discussed. Analysis of social and political phenomena is presented through the gender perspective in Cyprus, and in various European and non-
European societies, including the study of international women’s conferences and their political implications.

**SPS 241 Cyprus Society (6 ECTS)**
The course analyses Cyprus as a whole, as a currently divided space that is inhabited by various social and ethnic groups. The course begins with the most contested issue: history. Following this it examines a range of topics, including language and dialect, poetry and literature, political parties, church and religion, gender and migrants.

**SPS 243 Social Policy (6 ECTS)**
Social Policy is preoccupied with the administrative practice of welfare provision in the domains of Health Care, Education, Employment, Community Care, Criminality, Unemployment, Mental Health, Gender, Poverty and Ageing Populations, etc. In a more general sense this course addresses the issue of welfare action beyond governmental jurisdictions.

**SPS 244 Social Theory and Citizenship (6 ECTS)**
After the end of the Cold War and the global readjustment of the state to market imperatives, the meaning of citizenship came anew to the forefront of the debate. This course will focus on how social theory evaluates the emergence of new actors and social subjectivities (women, minorities, and social movements), refurbishing the context of liberal democracy on one hand, while on the other assessing how market forces engender new forms of acquiescence, apathy, coercive homogenisation and authoritarian quantification of life.

**SPS 245 Gender, Race and Class (6 ECTS)**
Gender, Race and Class are conceptualised as constituted and constituting forces which drive the propensity of modernity toward social mobilisation reform and/or revolutionary breakthroughs. These concepts will be studied as a cluster of causal reasons that reinforce stratification and concealed violence thereby enhancing a hierarchical model of integrating modernity. At the same time we shall foreground counter-possibilities as these emerge from the cross-breeding of such experiences of oppression through the anti-hierarchical organization of self-ruling communities able to convert necessity into freedom and identity into difference.

**SPS 246 Critical Theory and Social Research (6 ECTS)**
The course explores the evolution of Critical Theory as an uncompromising critique of modern bourgeois civilisation. It elucidates the various ways in which contemporary critical theory inseminates creative research. The course explores the evolution of Critical Theory as an uncompromising critique of modern bourgeois civilisation. It elucidates the various ways in which contemporary critical theory inseminates creative research (in relatively unsuspected and uncharted areas) by critical discourse such as the health industry, criminality, education, city planning, architecture of urban space, etc. Main objective is to enable the participants to nurture critical research orientations as specialised forms of social intervention in the modern world.

**SPS 247 Quantitative Analysis in Sociological Research (6 ECTS)**
This class builds on the skills and knowledge acquired by students in previous modules (e.g. KΠΕ 147 «Introduction to Quantitative Methods of Social Science Research»). The aim is to introduce the students to specific methods of quantitative analysis of empirical data in Social Sciences and especially in Sociology. The curriculum also covers graphical methods as well as non-parametric methods of analysis.

**SPS 269 Basic Principals of Political Economy (8 ECTS)**
The aim of the course is to familiarise students with the basic concepts and methods of political economy. Particular emphasis is placed on the theories of value, the repartition of incomes, the theories of crises as well as the evolution tendencies of the free market economy. The state and central bank policies within contemporary economies (fiscal policy, monetary policy, foreign exchange policy) are also examined.

**SPS 300 Higher Education, Policy and Society (6 ECTS)**
Higher education policy has become a major issue within the scope of the knowledge society and lifelong learning. The course aims to explore this topic at the intersection of Policy and Society. It analyses the objectives and the historical development of higher education policies at the supranational and national levels, in a comparative perspective. There is a particular focus on the Europeanisation and internationalisation of higher education, and the restructuring of the relationship between the public and the private sectors. Also studied are the connection between higher education and other critical issues including social inclusion, social mobility, employability and economic development.

**SPS 301 Cultural Sociology (6 ECTS)**
The course entails the analysis of the relationship between culture and society and focuses on the effect of cultural factors on social behaviour. The historical evolution and the different meanings of the terms "culture" and "civilisation" are examined, as well as different approaches to the study of the field. Specific areas of interest include the study of cultural sub-cultures, the relationship between culture and commercialisation, and the role of mass media in modern culture, the relationship between society and music, cinema, and other art forms, etc.

**SPS 302 Sociology of Economy (6 ECTS)**
The course is a systematic introduction to industrial sociology, offering a comparative-historical perspective on industrialisation. It examines theories of the industrial revolution and models of scientific management (F. Taylor), the phenomenon of automation, the microelectronic revolution and various phenomena related to post-industrial and information societies.

**SPS 303 Modernity and Postmodernity (6 ECTS)**
The course focuses on the conflict between different logics of modernity, with the major issue being whether modernity’s project remains incomplete or whether it has exhausted itself and has consequently been replaced by a post-modern condition. The debate focuses on the affinities between modernity and Enlightenment, post-modernity and globalisation and how these relationships reflect on the epistemological controversy over relativism, the crisis of rationality and method in the social sciences.

**SPS 304 Sociology of Mass Media (6 ECTS)**
The course is a systematic introduction to the sociology of mass media and communication. It examines the wide spectrum of human communication, with an emphasis on the role of the mass media in modern societies. The course places special emphasis on sociological and communication theories and on methods of measurement and communication models.
SPS 305 Sociology of Tourism (6 ECTS)
Sociology of Tourism examines economic and the social aspects of this new industry. Special topics include the development of tourist cities, the cultural, social and economic impact of tourism on the host society; the cultural imperialism thesis, the development of specialty tourism, such as eco-tourism, and so on.

SPS 306 Social Movements (6 ECTS)
The course is a systematic introduction to the sociology of social movements. It offers a comparative-historical perspective on the social preconditions of a wide spectrum of social movements, be it of a reformist or a revolutionary character. Theoretical issues are examined, always in reference to the analysis of empirical data, both from Cyprus and from other societies.

SPS 307 Sociology of the Family (6 ECTS)
The course is a systematic introduction to the basic concepts, methodology and empirical research related to the sociology of family. The social structure of family life is examined comparatively in both traditional and modern societies. Emphasis is placed on the effects of processes of social change, and especially modernisation, on the character and the structures of family life.

SPS 308 Criminology (6 ECTS)
Following a general review of the field of contemporary criminology and the phenomenon of criminal behaviour in society, the course examines a number of theories of criminal behaviour, including: psychological (Freud, Eysenck) and sociological, ecological, differential association, Marxist, labeling, and composite perspectives. Attention is then focused on offenders and victims in general and with reference in particular to rape, armed robbery, homicide, monoepisodic mass murder, serial murder and white-collar crime. Finally, the FBI's profiling method is critically evaluated.

SPS 309 International Terrorism (6 ECTS)
International terrorism is a major social feature of the 21st century. The course examines the definition, nature and ideological dimension of terrorism in Europe and the Middle East. Additionally, the course examines the role, significance and consequences of the American-led "war on terrorism."

SPS 311 Sociology of Minority Groups (6 ECTS)
The issue of minority groups is currently one of the major issues for the New Europe of the 21st century. Different dimensions include the definition, criteria, and rights of minority groups, the relationship between immigration and minority group formation, etc. The course inquires into different aspects of these issues with special attention to particular minority groups inhabiting the Eastern Mediterranean and the Balkans.

SPS 313 Immigration and Demography (6 ECTS)
The course examines the phenomenon of immigration and its effects on the demographic character of modern societies. Both historical and contemporary phenomena are examined and the aim is to relate the phenomenon of immigration to other social, political and cultural processes.

SPS 314 Political Sociology (6 ECTS)
The course is a systematic introduction to the basic concepts, methodology and empirical research of political sociology. The social basis of politics is examined through the analysis of different systems of political organization, different forms of political action, the role of ideology and the processes of political conflict and change. Special emphasis is placed on theoretical issues, always in relation to the analysis of empirical data from Cypriot and other societies.

SPS 315 Ethnography (6 ECTS)
The course examines classic pieces of ethnographic writing, as well as recent attempts at experimental ethnography. These ethnographies are discussed in light of the theoretical trends that influenced them (or that they initiated), as well as the sociohistorical conditions of their creation. Emphasis is placed on the 'literary turn' in anthropology, which analyses ethnographic texts using techniques from literary criticism.

SPS 317 Identity and Difference (6 ECTS)
The course will endeavor to track varying strategies and paths of identity formation, focusing on how these processes run against their own self-generated limits by engendering lethal differences and counter-identities. The effort is to aggregate various implications accruing from the discontinuities of identity as well as on the compulsive fear of being allegiance to any particular identity, by highlighting new regimes of normalisation and resistance associated with them.

SPS 318 Development and Modernisation (6 ECTS)
The course examines the processes of modernisation and economic development. The experience of modern Western societies is compared to the experience of societies of the so-called Third World, and also the experience of the societies of late development. Emphasis is placed on the effects of modernisation on a wide range of other sociological factors – from politics and the family to religion and cultural production.

SPS 319 Anthropology of Religion (6 ECTS)
The course begins with an overview of classic sociological and anthropological approaches to religion. A significant question raised is whether anthropology explains religion or rejects it. Can religious phenomena be best approached through an anthropological viewpoint, or are they primarily issues related to esoteric, mystical experiences? Other questions raised are: What exactly is magic? Does the world inevitably move towards secularism? Is religion an illusion? If so, why does it exist? Is religion a means of oppression, or resistance? What is the role of ritual? How can contemporary sects and New Age Movements be explained?

SPS 320 Ethnicity and Nationalism (6 ECTS)
The course examines the social dimension of ethnicity and the construction of national identities. The focus is on the development of nationalism, ethnic relations, the formation of the nation state, and the production, as well as the consumption, of nationalist ideology. The emphasis is on the global scene, but systematic references are also made to Cypriot society.

SPS 322 Political Anthropology (6 ECTS)
Political anthropology is the cross-cultural comparative examination of politics. It focuses on the following issues: power and authority, stratification and inequality, ideology, violence, the political role of ritual and religion, resistance, political identity and nationalism.
SPS 323 Anthropological Theory (6 ECTS)
A general overview of the main theoretical currents expressed through Social Anthropology during the 20th century. The key theoretical schools (Functionalism, Structural-Functionalism, Stucturalism, Marxist Anthropology, Transactionalism and Action Theory, Anthropology of Gender, Hermeneutical Anthropology, Post-Modernism and Post-Colonial Studies) will be discussed on the basis of classic ethnographies representing each school.

SPS 324 Transnationalism and International Migration (6 ECTS)
The new immigrants or “transmigrants” maintain ties with their homelands and acquire multiple identities. The constant weaving of these transnational relationships provides the most prominent example of the transnational experience worldwide. New transnational communities are being formed, which connect villages, individuals, states, regions, and movements across borders, and which create new dynamics in a host of domains, including religion, family, economic development, and so on.

SPS 325 Sociology of Law (6 ECTS)
The course evaluates the ongoing symbolic interaction between social and legal theory with reference to phenomena of legal overregulation, juridification of social relations and conflicts, overload of the legal system by social claims, etc. The way in which social theory becomes part of legal theory’s self-reflexivitiy is also examined in light of the latter’s attempt to reform the legal system.

SPS 326 Sociology of Health (6 ECTS)
The course is a systematic introduction to the basic concepts, the methodology and the empirical research of the sociology of health. Special emphasis is focused on the social relativity of disease (physical as well as mental) and the ways in which organized society and especially the state provide for people’s health.

SPS 327 Contemporary Trends in Social Theory (6 ECTS)
The course aims at the understanding and critique of newly emerging theoretical models in the social sciences, currently in the process of becoming influential. Particular emphasis is placed on theories of postmodernism, deconstruction and post-colonial criticism.

SPS 328 Sociology of Urbanisation (6 ECTS)
The course is a systematic introduction to the sociology of urban life and urbanisation. The development of cities is examined in a comparative-historical perspective, and the focus is on those processes of urbanisation which are connected with the wider phenomenon of modernisation. The emphasis is on the effects of urbanisation on a wide range of other social processes – economic, political and cultural.

SPS 329 Sociology of Technology (6 ECTS)
The course is a systematic introduction to the sociology of technology, analysing the effects of technological development on social life. Various theoretical approaches are examined, from both classical and contemporary sociology, always in reference to the analysis of empirical data, from Cypriot and other societies.

SPS 330 Sociology of Knowledge (6 ECTS)
The course is a systematic introduction to the concepts, methodology and empirical research of the sociology of knowledge. The relation between knowledge and society is examined in classical sociology (especially work of Marx and Durkheim), as is the more recent and more systematic sociology of knowledge that has developed from the thought of Scheller, Manheim, Schutz, Berger and Luckmann. Special emphasis is placed on the relation between consciousness and modernity, ideological thinking and the consciousness of everyday life. An extensive introduction to social phenomenology is also provided.

SPS 331 Sociology of Work (6 ECTS)
The course is a systematic introduction to the sociology of work, analysing the historical evolution of the concept of work and trade unionism. Various theoretical approaches, both from classical and contemporary sociology, are examined and students are familiarised with empirical research in the sociology of work.

SPS 332 Social Problems (6 ECTS)
The course examines a wide range of social problems (from violence in the family and hooliganism to the use of drugs and unemployment) in Cypriot and other societies. The aim is to use basic conceptual frameworks from sociology in order to analyze the meaning of these problems and their effects on social life.

SPS 333 Sociology of Religion (6 ECTS)
The course is a general introduction to the Sociology of Religion. Primary goals are: (a) understanding the role of religion in society and (b) understanding the institutional features of religiosity (ceremonies, sects, movements, etc.). Coverage includes both classical and contemporary sociological perspectives. The basic issues in the field include the universal spread of secularisation and the relationship between globalisation and religion. Special mention is reserved for the relations among religion, society and the state in the Greek-speaking world, as well as the connections between Greek identity and Eastern Orthodoxy.

SPS 336 European Economic Integration (6 ECTS)
Introduction to the economic development and social expansion of the European Union. Perception of the EU as a social and economic system. Students will develop an understanding of the different ways in which European integration has been understood, and what this implies for the trajectory that the EU is likely to take in the future. To complement this analysis, a number of crucial issues pertaining to the role of technology will be discussed, including an overview of important policy areas, institutional design, relations between Member States and the EU, Economy, Society and Technology and Technological Change, Social Europe and Social Policy.

SPS 337 Social Ecology (6 ECTS)
Under the post-materialist constellation of values that increasingly characterise contemporary society, social theory is called on to inquire into the crisis of the urban and natural environment in terms of a crisis of anthropocentric morality. The critical issue to be addressed therefore is whether modern trends in social theory may inspire a shift away from anthropocentrism toward a biocentric sociological agenda that will reformulate the social contract in the context of the urban and natural environment.

SPS 338 Social Theory and Psychoanalysis (6 ECTS)
The course will focus on the influential but neglected contribution of psychoanalysis to the evolution of social theory. Being one of the major responses to the crisis of modernity and its varying manifestations of subjectivity, psychoanalysis is well suited for theoretical investment in the direction of expanding
and renewing sociological concerns. Beyond any therapeutic claims by psychoanalysis, social theory aspires to accommodate it in terms of a hermeneutic theory of subjectivity as well as a theory of social reproduction operating at the interface of society, culture and subjectivity.

**SPS 340 Social Theory and Cinema (6 ECTS)**
The course approaches cinema as a textual system by rereading concepts of psychoanalytic, Marxist and post-structuralist social theory in the context of cinema. The course examines cinema as industry, institution and as a system of representation that rewrites the subjects in their social positions.

**SPS 347 Myths, Misconceptions, and the Misuse of Empirical Research in the Social Sciences (6 ECTS)**
Although the course curriculum refers to the Social Sciences in general, most of the sessions will focus on practical examples taken from the disciplines of Sociology, Political Science and Journalism. During the class sessions (which will take place in a computer lab), students will study published papers and reports that have methodological problems and weaknesses. Students will study articles from the daily or weekly press (e.g., the Economist) in order to practice the task of summarizing the main findings of empirical research. Students will discuss how the findings of empirical research are often distorted in the popular press.

**SPS 348 Applied Qualitative Research (6 ECTS)**
The course expands the knowledge of qualitative techniques and applies it to specific contexts. Students gain an in-depth knowledge of participant and non-participant observation, focus groups, semiotics, content analysis, in-depth interview and ethnography through the application of these techniques in practice. Using one or more continuous projects, students are expected to perform all the major steps of qualitative research, culminating in one or more research reports.

**SPS 349 Applied Quantitative Research (6 ECTS)**
The course expands the knowledge of quantitative techniques and applies it to the analysis of data sets. Students will familiarise themselves with relevant statistical packages suitable for the social sciences (SPSS, SAS or another major statistical package), as well as with the relevant sources of data at the national, EU, and international level. Emphasis is placed on the use of this knowledge in practice. Using relevant statistical packages, students will conduct (and will be evaluated on) specific exercises designed to help them understand how to use quantitative methods in applied social research.

**SPS 400 Evolution and Society (6 ECTS)**
The course is an introduction to Darwin’s theory of evolution and sociobiology. The focus is on the biological basis of social behavior and its implications concerning the purpose and methods of the social sciences.

**SPS 401 Global Society (6 ECTS)**
The purpose of the course is to examine the repercussions of globalisation from the perspective of post-modernism and cultural theory, and more specifically, the social and cultural consequences of the Information Age (or Global Age). These consequences include the impact of information technology on family life, community, religion, and other sociological areas of concern; the emergence of risk societies; the emergence of new, gendered, racialised or other ethnic or “hybrid” identities; the rise of cosmopolitanism and localism, etc.

**SPS 402 Truth, Memory And Reconciliation: Comparative Sociological Perspectives (6 ECTS)**
From the discussion regarding the Holocaust and the Nuremberg Trials, to the current debates regarding ‘Truth, Justice and Reconciliation’ like the South African ‘Truth and Reconciliation Committee’, this class compares the key efforts that took place in various societies. The major axes of debate revolve around four issues: justice, reconciliation, memory and historical truth. These topics are examined with a sociological emphasis on the relationship of such efforts with the public at large, regarding the planning, participation and results.

**SPS 403 Historical Sociology (6 ECTS)**
Historical Sociology uses the historical record as a means for developing specific generalisations about human societies. The field covers the entire human record, but typically, coverage focuses on the factors and processes involved in the process of societal modernisation. Specific sub-fields covered include: comparative-historical sociology, world-system analysis, social history, world history (a sub-field shared with historians), the figurational sociology (of the late Norbert Elias), etc.

**SPS 404 Sociology of Political Parties (6 ECTS)**
The course examines phenomena of party and parliamentary oligarchy and bureaucratisation of party apparatuses; their dependence on and accountability to the media industries rather than their own constituencies; their international relations, linkages between parties, governments and unions; phenomena of managerial catch-all parties, single issue parties, anti-party parties, movement-parties, the party-state, European parties, etc.

**SPS 405–406 Contemporary Issues in Sociology (6 ECTS)**
In this class students will analyse contemporary social issues, trends and movements under conditions of rapid change, often on a global level. Students will focus on specific topics to gain an in-depth understanding of the material, and will be taught through lectures, presentations and discussions of sources drawn from a variety of media. The class strives to create possibilities for reflexivity and critical defamiliarisation.

**SPS 407–408 Advanced Topics in Social Theory (6 ECTS)**
In this class, students will focus on particular topics in social theory. They will gain an in-depth understanding of the subject matter through lectures, presentations and discussion of bibliographical sources. There is also an emphasis on the development of skills relevant to the sociological approach, especially those of critical analysis and the discussion of primary sources.

**SPC 409 Politics of the European Union as a World Power (6 ECTS)**
In economic, trade and monetary terms, the European Union has become a major world power. European integration began with six countries and two sectors of the economy and within a period of barely sixty years has evolved into a complex system of governance that covers a wide range of policy areas, from trade and money to immigration and foreign policy. For EU member states today, the main objective of the European system is the joint management of the growing interdependence of states and peoples of Europe. The successive enlargement rounds have been, in turn, the most effective foreign policy of the EU, while they additionally act as a mechanism for an economic
convergence region. In addition, this agenda of deregulation, especially for southern Europe, is on track to economic differentials and social trends, which endangers the fundamental requirements and the initial purpose of European integration.

**SPS 419 Politics of the Image: Photography, Cinema, Documentary and Art (6 ECTS)**

This class focuses on the theoretical debates surrounding the politics and sociology of representation. From the period of colonialism and anti-colonial struggles, to the creation of modern states and the subsequent rise of post-modernism, the image has been a means as well as a site of struggles and contestations. The rise of the image as the primary means of public communication renders its analysis all the more necessary. Drawing on specific examples from Cyprus and other countries, this class aims to give students the skills necessary for the theoretical, critical and analytical negotiation of images.

**SPS 420 European Unification & European Culture (6 ECTS)**

EU enlargement and the cultural changes in European societies of the 21st century have reconfigured the debate on the construction of a single cultural area, while also maintaining the multiplicity of national and local societies and cultures. Specific topics covered include the degree to which Eastern and Western European societies have converged, the processes of Europeanization and Americanization and their consequences, as well as the debate on Europe's boundaries.

**SPS 421 Political Society and the Constitution of Federalism (6 ECTS)**

The course examines the comparative constitution of political societies and federal systems by way of civil wars, international conflicts and class confrontations identifying the role played by communities, parties, religious organizations, economic foundations, theological and ideological disputes in the process of state-formation and federalisation. Main objective is to take the constitutional challenge of founding new federal states along with the case of Cyprus and place them in a comparative framework of theoretical debate.

**SPS 422 Beyond Class and Order: Alternative Social Quests**

“Class” is discussed in all its meanings: economic, pedagogical (classroom) and classificatory. The course aims at students’ active participation, where the process is part of the learning. It is based on important critiques of modernity: the individual as a passive receptor (Debord); the imposition of “lessons” through education (Freire); and disciplinary institutions (Foucault). Also studied are sociopolitical topics, in the wider sense of the term, that emerge from these discussions.

**SPS 446 Advanced Issues in Sociology (6 ECTS)**

The course is open to the basic themes of sociological inquiry, depending on the instructor. It is an advanced course, aimed at in-depth analysis and research on a particular topic.

**Journalism**

**MSJ 101 and MSJ 102 Introduction to Journalism and Media Studies, I and II (6 ECTS)**

A survey of the history of Communication and Journalism in Europe and the United States. Subjects to be included: the shift from oral to written communication in ancient Greece; the significance of books and print in the history of the churches; the development of journalism and its relation to the Enlightenment and the republican ideal; the development of the profession of journalism; relations between the state and communications media, including the post office, newspapers, telegraph, radio, television, the Internet; the growth of commercial financing, media corporations, globalization, and alternative media; journalism in the context of a total media environment. Includes a laboratory component in which students are introduced to computer software for editing texts and images.

**MSJ 201 and MSJ 202 Modern History and Practice of Journalism (7 ECTS)**

Structure and content of journalistic institutions, from 17th century pamphlets through 18th- and 19th-century newspapers and 20th/ 21st-century global news organizations and networks. The rise of "yellow journalism," the journalism of scandal, personal journalism, "precision journalism," and the investigation of official documents. Includes a specific examination of contrasting and overlapping styles and methods of contemporary coverage in various news outlets available online.

**MSJ 211 Journalism, Law and Ethics (6 ECTS)**

An examination of the legal frameworks and regulations of various, different societies, and how they affect the practice of journalism. This course will include a comparison of different systems, for example: the difference between British and American approaches to libel, public responsibility, advertising; European and American approaches to leaks; state-financed systems and privately owned systems. What are the responsibilities of journalists – to civic ideals, to employers, to traditions, to audiences, to truth?

**MSJ 221 Journalism, Propaganda and Social Psychology (6 ECTS)**

Under what conditions have journalists functioned as instruments of propaganda? What kinds of regimes have used propaganda, and under what conditions, and with what outcomes? What do journalists do—and what ought they to do—when approached to work as propagandists? What is the impact of propaganda on the public?

**MSJ 351, MSJ 352, MSJ 451, MSJ 452 Practicum (arranged according to different media and forms) (8 ECTS)**

During each of these semesters, students will be exposed to the finest journalism in a variety of forms. They will be required to recognize and evaluate different approaches, and to consider such questions as: What is an event? What is a perspective? What is a frame? How does the journalist address alternative perspectives? They will also write and/or produce examples of the respective forms of journalism.

News reports and fact-based features. Descriptions of events (battles, crimes, trials, meetings, political campaigns, etc.), from short reports to elaborate feature articles, profiles, etc.

Long-form journalism. In this course, students will not be required to write books, but to write proposals for how they would conduct research for and write books and extensive articles on specific journalistic subjects. Different styles will be examined, and from different cultures. Possible authors include: George Orwell (UK), Jose Marti (Cuba), Domingo Faustino Sarmiento (Argentina), Ryszard Kapuscinski (Poland), Roberto Saviano (Italy), Norman Mailer, Garry Wills, and Tom Wolfe (US).

News broadcasts and documentaries. Students will study examples of fine broadcast journalism from a variety of countries, in a variety of lengths.
Online and multi-media journalism. There is now a substantial amount of online journalism, where many examples of good work are available. Students will look at the online work of established newspapers like The New York Times, The Washington Post, and The Guardian, as well as the work of the most serious blogs and online magazines (Slate, Salon, Talkingpointsmemo.com). Design as well as content will be analyzed.

**MSJ 301 History of Journalism in Cyprus (6 ECTS)**

In this course, the history of Cypriot journalism from its inception will be examined: the first newspapers and journalists, the development of the Cypriot press, the establishment of the CyBC and the latest developments in Cypriot broadcasting.

**MSJ 311 Media Technologies (6 ECTS)**

The social and technological development of newspapers, with an emphasis on movable type (Gutenberg), the radio (Marconi in the UK and US), popular magazines, communications satellites, and the internet. The role of technical inventions, and the role of political and economic structures. Study of the political, social, economic, and cultural conditions under which new media technologies have developed.

**MSJ 391 The Present and Future of Journalism (6 ECTS)**

The evolution of journalistic forms since 1980, including: the spread of feuilletons (op-ed pieces), 24-hour cable channels, international news networks, new forms of sensationalism, “citizen journalism,” “crowd-sourcing,” blogging, hyperlinks, aggregation, etc.

**MSJ 381 Political Communication (6 ECTS)**

The role of political parties and governments, historically and at present, in owning, monitoring, and influencing large-scale communications. What social science research says about the impact of these communications on political behavior.

**MSJ 401 Sports Journalism (6 ECTS)**

Sports as a center of cultural life. Studies of exemplary sports journalists, for example: Red Smith, A. J. Liebling, Norman Mailer, and Howard Cosell; the Roone Arledge, “Up Close and Personal” formula; the role of journalism and broadcasts in the economics of sports.

**MSJ 481 Media and Society (6 ECTS)**

An examination of journalism’s place amid the explosion of entertainment media that characterizes the current media environment, including case studies of the interaction of journalism and political developments (for example, with respect to terror attacks and wars). Also a presentation of findings related to current media controversies, including the role of movies, television, video games, etc., in stimulating—or desensitizing people to—violence, stereotyping, and ethnic hatred.

Descriptions for courses from the three cooperating departments are not included (these can be found elsewhere in the University Prospectus).
The following programme of studies in Political Science is valid for students who began their studies in Winter Semester 2013 or later. Students who began before Winter Semester 2013, should refer to the older programme which can be found on the website of the department.

**CORE COURSES IN POLITICAL SCIENCE**

13 Courses x 6 ECTS + 2 Courses x 8 ECTS = 94 ECTS

- SPS 151 Introduction to Political Science
- SPS 152 Comparative Politics
- SPS 153 International Relations
- SPS 154 Political Theory
- SPS 155 Foreign Policy
- SPS 156 European Integration
- SPS 157 Political Analysis and Methodology (8 ECTS)
- SPS 232 Gender, Power and Politics
- SPS 251 The Political System of Cyprus
- SPS 261 Comparing Political Systems
- SPS 266 Political System of the European Union
- SPS 269 Basic Principles of Political Economy (8 ECTS)
- SPS 281 Contemporary Political Thought
- SPS 314 Political Sociology
- SPS 377 Power and Legitimation in International Politics

**ORGANIZATION AND COMMUNICATION SKILLS INTEGRATED IN THE CORE COURSES PROGRAMME**

3 Courses x 5 ECTS + 1 Courses x 6 ECTS = 26 ECTS

- Foreign Languages I
- Foreign Languages II
- Foreign Languages III
- CS 001 Introduction to Computer Sciences (6 ECTS)

**SUPPORT AND SPECIALISATION COURSES**

15 Courses + Thesis I & II x 6 ECTS= 102 ECTS

or 17 Courses x 6 ECTS= 102 ECTS

**International Relations**

- SPS 263 Greek-Turkish Relations
- SPS 268 Cyprus Foreign Policy
- SPS 272 International Organizations
- SPS 274 Human Rights
- SPS 275 The U.N.O. System
- SPS 280 Gender Conflict and Peace
- SPS 373 The Cyprus Problem
- SPS 376 Conflict Resolution
- SPS 393 International Relations Theories
- SPS 451 Special Issues in International Relations
- SPS 453 Strategy and War
- SPS 454 Global security
- SPS 455 Special Issues in Foreign Policy
- SPS 456 Global Commons
- SPS 464 Ethics of International Relations
- SPS 467 Gender and International Organizations

**European Union:**

- SPS 361 Cyprus and the European Union
- SPS 362 Politics of the European Union
- SPS 364 Europe and the Mediterranean
- SPS 395 Mediterranean Dimension of the European Union
- SPS 396 European Foreign and Security Policy
- SPS 461 European Union Special Issues
- SPS 462 Common Policies of the European Union
- SPS 466 The European Union as a Global Power

**Comparative Politics:**

- SPS 267 Comparative Politics of Developing Nations
- SPS 278 Comparative Media Politics
- SPS 279 Comparative public policy
- SPS 283 Gender and Migration
- SPS 360 Globalization
- SPS 370 The clientelist state
- SPS 378 Economy and Politics
- SPS 383 Political Parties and Elections
- SPS 386 Right-wing radicalism
- SPS 387 Radical and Revolutionary Left
- SPS 388 Environmental Politics
- SPS 390 Parties, politics and democracy in Southern Europe
- SPS 452 Special Topics in Comparative Politics

**Political Theory:**

- SPS 256 Law and Politics
- SPS 265 Ancient Greek Political Thought
- SPS 276 Hellenistic Political Thought
ANALYTICAL PROGRAMME OF STUDIES FOR POLITICAL SCIENCE DEGREE

SPS 277 Medieval Political Thought
SPS 282 Political Ideologies
SPS 365 Plato’s Political Thought
SPS 366 Social Contract Theories
SPS 367 Theories of Political Justice
SPS 368 Hegel’s Political Thought
SPS 380 Natural Rights Theory
SPS 381 Theories of Liberalism
SPS 382 Contemporary Political Theory
SPS 384 Enlightenment Political Thought
SPS 385 Utopian Socialism and Marxism
SPS 389 Politics and the Arts
SPS 468 Critical Theory
SPS 481 Special Issues in Political Theory

Degree Thesis:
SPS 498 Degree Thesis I
SPS 499 Degree Thesis II

Degree Thesis: Thesis is optional and is completed during the fourth year of studies. A general average grade of 7.0 is required for writing a thesis. Instead of writing a thesis, students may take two courses from “SUPPORT AND SPECIALISATION COURSES.”

ELECTIVES FROM OTHER SUBJECT AREAS

Number of Courses from other Departments equal to 11 ECTS

2 Sociology Courses from the following list X 6 ECTS = 12 ECTS
SPS 101 Introduction to Sociology
SPS 102 Classical Sociological Theories
SPS 105 Introduction to Social Anthropology
SPS 211 Contemporary Sociological Theories
SPS 231 Social Stratification
SPS 304 Sociology of Mass Media
SPS 306 Social Movements
SPS 318 Development and Modernisation
SPS 320 Ethnicity and Nationalism
SPS 322 Political Anthropology
SPS 347 Myths, Misconceptions and the Misuse of Empirical Research in Social Sciences

Total of 40 Courses
34 Courses x 6 ECTS = 204 ECTS
4 Courses x 5 ECTS = 20 ECTS
2 Courses x 8 ECTS = 16 ECTS
or

Total of 40 Courses
32 Courses x 6 ECTS = 192 ECTS
Thesis I & II = 12 ECTS
4 Courses x 5 ECTS = 20 ECTS
2 Courses x 8 ECTS = 16 ECTS
GRAND TOTAL: 240 ECTS
### POLITICAL SCIENCE DEGREE (with Thesis)

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### 1st YEAR
#### 1st Semester
- SPS 151 Introduction to Political Science 6
- SPS 152 Comparative Politics 6
- SPS 153 International Relations 6
- Foreign Languages I 5
- CS 001 Introduction to Computer Science 6
**TOTAL** 29

#### 2nd Semester
- SPS 154 Political Theory 6
- SPS 155 Foreign Policy 6
- SPS 156 European Integration 6
- SPS 157 Political Analysis and Methodology 8
- Foreign Languages II 5
**TOTAL** 31

**YEAR TOTAL** 60

### 2nd YEAR
#### 3rd Semester
- Foreign Languages III 5
- SPS 232 Gender, Power and Politics 6
- SPS 251 The Political System of Cyprus 6
- SPS 261 Comparing Political Systems 6
- One Course Support and Specialisation 6
**TOTAL** 29

#### 4th Semester
- SPS 266 Political System of the European Union 6
- SPS 269 Basic Principals of Political Economy 8
- SPS 281 Contemporary Political Thought 6
- SPS 377 Power and Legitimation in International Politics 6
- One Course Support and Specialisation 6
**TOTAL** 32

**YEAR TOTAL** 61

### 3rd YEAR
#### 5th Semester
- SPS 314 Political Sociology 6
- One Course Electives from other subject areas 6
- Four Courses Support and Specialisation 24
**TOTAL** 30

#### 6th Semester
- One Course Electives from other subject areas 6
- Four Courses Support and Specialisation 24
**TOTAL** 30

**YEAR TOTAL** 60

### 4th YEAR
#### 7th Semester
- One Course Electives from other subject areas 6
- Four Courses Support and Specialisation 24
**TOTAL** 30

#### 8th Semester
- One Course Electives from other subject areas 6
- Four Courses Support and Specialisation 24
**TOTAL** 30

**YEAR TOTAL** 60

**GRAND TOTAL** 241
The following programme of studies in Sociology is valid for students who began their studies in Winter Semester 2012 or later. Students who began before Winter Semester 2012, should refer to the older programme which can be found on the website of the department.

**CORE COURSES IN SOCIOLOGY**

17 Courses x 6 ECTS + 2 Courses x 7 ECTS + 1 Course x 8 ECTS = 124 ECTS

- SPS101 Introduction to Sociology
- SPS102 Classical Sociological Theories
- SPS105 Introduction to Social Anthropology
- SPS146 Introduction to Qualitative Social Science Methodology (7 ECTS)
- SPS147 Introduction to Quantitative Social Science Methodology (7 ECTS)
- SPS 211 Contemporary Sociological Theories
- SPS 212 History of Sociology
- SPS 221 Sociology of Deviance
- SPS 231 Social Stratification
- SPS 241 Cyprus Society
- SPS 247 Quantitative Analysis in Sociological Research
- SPS 269 Basic Principals of Political Economy (8 ECTS)
- SPS 301 Cultural Sociology
- SPS 302 Sociology of Economy
- SPS 303 Modernity and Postmodernity
- SPS 306 Social Movements
- SPS 314 Political Sociology
- SPS 333 Sociology of Religion
- SPS 327 Contemporary Trends in Social Theory
- SPS 401 Global Society

**SUPPORT AND SPECIALISATION COURSES**

(in-depth courses and Interdisciplinary Enlargement)

11 Courses + THESIS I & II = 6 ECTS

- SPS 213 Youth and Society
- SPS 215 Volunteerism: Theory and Practice (3 ECTS)
- SPS 232 Gender, Power and Politics
- SPS 243 Social Policy
- SPS 244 Social Theory and Citizenship
- SPS 245 Gender, Race and Class
- SPS 246 Critical Theory and Social Research
- SPS 300 Higher Education, Policy and Society
- SPS 304 Sociology of Mass Media
- SPS 305 Sociology of Tourism
- SPS 307 Sociology of the Family
- SPS 308 Criminology
- SPS 309 International Terrorism
- SPS 311 Sociology of Minority Groups
- SPS 313 Immigration and Demography
- SPS 315 Ethnography
- SPS 317 Identity and Difference
- SPS 318 Development and Modernisation
- SPS 319 Anthropology of Religion
- SPS 320 Ethnicity and Nationalism
- SPS 322 Political Anthropology
- SPS 323 Anthropological Theory
- SPS 324 Transnationalism and International Migration
- SPS 325 Social Theory and Law
- SPS 326 Sociology of Health
- SPS 328 Sociology of Urbanisation
- SPS 329 Sociology of Technology
- SPS 330 Sociology of Knowledge
- SPS 331 Sociology of Work
- SPS 332 Social Problems
- SPS 334 Economic and Industrial Society
- SPS 335 European Economic Integration in the New Countries
- SPS 336 European Economic Integration
- SPS 337 Social Theory and Ecology

**ORGANIZATION AND COMMUNICATION SKILLS INTEGRATED IN THE CORE COURSES PROGRAMME**

4 Courses x 5 ECTS + 1 Course x 6 ECTS = 26 ECTS

- Foreign Languages Course I
- Foreign Languages Course II
- Foreign Languages Course III
- PSY 102 Social Psychology I: Introduction to Social Psychology (5 ECTS)
- CS 001 Introduction to Computer Science
ANALYTICAL PROGRAMME OF STUDIES FOR SOCIOLOGY DEGREE

SPS 338 Social Theory and Psychoanalysis
SPS 339 Cyprus Integration and Harmonisation Process (Specific Topics)
SPS 340 Social Theory and Cinema
SPS 347 Myths, Misconceptions, and the Misuse of Empirical Research in Social Sciences
SPS 348 Applied Qualitative Research
SPS 349 Applied Quantitative Research
SPS 400 Evolution and Society
SPS 402 Truth, Memory and Reconciliation: Comparative Sociological Perspectives
SPS 403 Historical Sociology
SPS 404 Sociology of Political Parties
SPS 405-406 Contemporary Issues in Sociology
SPS 407-408 Advanced Topics in Social Theory
SPC 409 Politics of the European Union as a world power.
SPS 419 Politics of the Image: Photography, Cinema, Documentary and Art
SPS 420 European Unification & European Culture
SPS 421 Political Society and the Constitution of Federalism
SPS 446 Advanced Issues in Sociology
SPS 448 Degree Thesis I
SPS 449 Degree Thesis II

MINOR AND MINOR ELECTIVES FROM OTHER SUBJECT AREAS

Number of Courses from other Departments equal to 12 ECTS

2 Political Science Courses from the following list X 6 = 12 ECTS
SPS 151 Introduction to Political Science
SPS 152 Comparative Politics
SPS 153 International Relations
SPS 154 Political Theory
SPS 155 Foreign Policy
SPS 156 European Integration
SPS 252 Gender and Politics
SPS 281 Contemporary Political Thought
SPS 361 Cyprus and the European Union
SPS 373 The Cyprus Problem
SPS 383 Political Parties and Elections
SPS 366 Social Contract Theory

Total of 40 Courses
33 Courses x 6 ECTS = 198 ECTS
4 Courses x 5 ECTS = 20 ECTS
2 Courses x 7 ECTS = 14 ECTS
1 Course x 8 ECTS = 8 ECTS

or

Total of 40 Courses
31 Courses x 6 ECTS = 186 ECTS
Thesis I & II = 12 ECTS
4 Courses x 5 ECTS = 20 ECTS
2 Courses x 7 ECTS = 14 ECTS
1 Course x 8 ECTS = 8 ECTS

GRAND TOTAL 240 ECTS

*Degree Thesis: Thesis is optional and is completed during the fourth year of studies. A general average grade of 7.0 is required for writing a thesis. Instead of writing a thesis, students may take two courses from "SUPPORT AND SPECIALISATION COURSES."
### 1st YEAR
#### 1st Semester
- SPS 101 Introduction to Sociology: 6 ECTS
- SPS102 Classical Sociological Theories: 6 ECTS
- SPS105 Introduction to Social Anthropology: 6 ECTS
- Foreign Languages I: 5 ECTS
- CS 001 Introduction to Computer Science: 6 ECTS
- **TOTAL:** 29 ECTS

#### 2nd Semester
- PSY 102 Social Psychology I: Introduction to Social Psychology: 5 ECTS
- SPS 146 Introduction to Qualitative Social Science Methodology: 7 ECTS
- SPS 147 Introduction to Quantitative Social Science Methodology: 7 ECTS
- SPS 211 Contemporary Sociological Theories: 6 ECTS
- Foreign Languages II: 5 ECTS
- **TOTAL:** 30 ECTS
- **YEAR TOTAL:** 59 ECTS

### 2nd YEAR
#### 3rd Semester
- Foreign Languages III: 5 ECTS
- SPS 212 History of Sociology: 6 ECTS
- SPS 221 Sociology of Deviance: 6 ECTS
- SPS 231 Social Stratification: 6 ECTS
- SPS 247 Quantitative Analysis in Sociological Research: 6 ECTS
- **TOTAL:** 29 ECTS

#### 4th Semester
- SPS 241 Cyprus Society and Politics: 6 ECTS
- SPS 269 Basic Principal of Political Economy: 8 ECTS
- SPS 301 Cultural Sociology: 6 ECTS
- SPS 302 Sociology of Economy: 6 ECTS
- SPS 303 Modernity and Postmodernity: 6 ECTS
- **TOTAL:** 32 ECTS
- **YEAR TOTAL:** 61 ECTS

### 3rd YEAR
#### 5th Semester
- SPS 306 Social Movements: 6 ECTS
- SPS 314 Political Sociology: 6 ECTS
- SPS 333 Sociology of Religion: 6 ECTS
- SPS 325 Social Theory and Law: 6 ECTS
- SPS 327 Contemporary Trends in Social Theory: 6 ECTS
- **TOTAL:** 30 ECTS

#### 6th Semester
- SPS 401 Global Society: 6 ECTS
- One Course *Major and Minor elective courses from other subject areas*: 18 ECTS
- Three Courses *Support and Specialisation*: 30 ECTS
- **YEAR TOTAL:** 60 ECTS

### 4th YEAR
#### 7th Semester
- SPS 448 Degree Thesis I: 6 ECTS
- Two Courses *Major and Minor elective courses from other subject areas*: 12 ECTS
- Two Courses *Support and Specialisation*: 12 ECTS
- **TOTAL:** 30 ECTS

#### 8th Semester
- SPS 448 Degree Thesis II: 6 ECTS
- One Course *Major and Minor elective courses from other subject areas*: 6 ECTS
- Three Courses *Support and Specialisation*: 18 ECTS
- **TOTAL:** 30 ECTS
- **YEAR TOTAL:** 60 ECTS
- **GRAND TOTAL:** 240 ECTS
## 1st YEAR

### 1st Semester

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<td>6</td>
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<tr>
<td>SPS 325 Social Theory and Law</td>
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<td>SPS 327 Contemporary Trends in Social Theory</td>
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### 6th Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>SPS 401 Global Society</td>
<td>6</td>
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<td>One Course Major and Minor elective courses from other subject areas</td>
<td>6</td>
</tr>
<tr>
<td>Three Courses Support and Specialisation</td>
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### 7th Semester

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### 8th Semester

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### GRAND TOTAL

<table>
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<tr>
<td>SPS 241 Cyprus Society</td>
<td>6</td>
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<tr>
<td>SPS 269 Basic Principals of Political Economy</td>
<td>8</td>
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<tr>
<td>SPS 301 Cultural Sociology</td>
<td>6</td>
</tr>
<tr>
<td>SPS 302 Sociology of Economy</td>
<td>6</td>
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<td>SPS 303 Modernity and Postmodernity</td>
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### Year TOTAL

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## Department of Social and Political Sciences

## SOCIOLOGY DEGREE (without Thesis)
CORE COURSES IN JOURNALISM
7 Courses x 8 ECTS + 1 Course x 7 ECTS + 9 courses x 6 ECTS = 117 ECTS
MSJ 101 Introduction to Journalism and Media Studies (6 ECTS)
MSJ 102 Introduction to Journalism and Media Studies (II practical component: Multimedia) (8 ECTS)
MSJ 151 Introduction to Economic and Statistical Analysis (8 ECTS)
MSJ 201 Modern History and Practice of Journalism (7 ECTS)
MSJ 211 Journalism, Law and Ethics (6 ECTS)
MSJ 202 History and Practice of Journalism (II) (Radio & Television, Internet) (8 ECTS)
MSJ 221 Journalism, Propaganda and Social Psychology (6 ECTS)
MSJ 301 History of Cyprus Journalism (6 ECTS)
MSJ 311 Media Technologies (6 ECTS)
MSJ 351, Lab, Journalism Practicum (8 ECTS)
MSJ 352 Lab, Journalism Practicum (8 ECTS)
MSJ 381 Political Communication (6 ECTS)
MSJ 391 Present and Future of Journalism (6 ECTS)
MSJ 401 Sports Journalism (6 ECTS)
MSJ 451 Lab, Journalism Practicum (8 ECTS)
MSJ 452 Lab, Journalism Practicum (8 ECTS)
MSJ 481 Media and Society (6 ECTS)

INTERDEPARTMENTAL COURSES
POLITICAL SCIENCE 3 Courses x 6 ECTS = 18 ECTS
SPS 151 Introduction to Political Science
SPS 153 International Relations
SPS 281 Contemporary Political Thought
SOCIOLOGY 4 Courses x 6 ECTS = 24 ECTS
SPS 101 Introduction to Sociology
SPS 102 Classical Sociological Theory
SPS 314 Political Sociology
SPS 304 Sociology of Mass Media
MODERN HISTORY 4 Courses x 5 ECTS = 20 ECTS
HIST 108 Introduction to Modern Greek History
HIST 181 Introduction to Modern European History (1789-1918)
HIST 225 Political History of Modern Greece
HIST 275 Modern History of Cyprus (1878-1974)
MODERN GREEK AND BYZANTINE STUDIES
3 Courses x 5 ECTS = 15 ECTS
BNE 390 History of Modern Greek Literature
BNE 160 Academic Writing
GEP 140 Sociolinguistics

ORGANIZATION AND COMMUNICATION SKILLS INTEGRATED IN THE CORE COURSES PROGRAMME
3 Courses x 5 ECTS = 15 ECTS
Foreign Languages I (5 ECTS)

FOREIGN LANGUAGES II (5 ECTS)
FOREIGN LANGUAGES III (5 ECTS)

SUPPORT AND SPECIALIZATION COURSES FROM THE DEPARTMENT OF SOCIAL AND POLITICAL SCIENCES
1 Course X 6 ECTS = 6 ECTS
SPS 152 Comparative Politics
SPS 157 Political Analysis and Methodology (8 ECTS)
SPS 251 The Political System of Cyprus
SPS 263 Greek-Turkish Relations
SPS 272 International Organizations
SPS 320 Ethnicity and Nationalism
SPS 329 Sociology of Technology
SPS 347 Myths, misconceptions, and the misuse of empirical research in Social Sciences
SPS 361 Cyprus and the European Union

FROM THE DEPARTMENT OF HISTORY AND ARCHAEOLOGY
1 Course X 5 ECTS = 5 ECTS
HIST 105 Introduction to Historiography, Philosophy and Philosophy of History
HIST 112 Introduction to Byzantine History
HIST 144 Introduction to Ancient History
HIST 285 Europe 1918-45: From the Treaty of Versailles to the Fall of Nazi Germany

FROM THE DEPARTMENT OF MODERN GREEK AND BYZANTINE STUDIES
1 Course X 5 ECTS = 5 ECTS
BNE 230-299 or BNE 330-399

ELECTIVES FROM OTHER SUBJECT AREAS
3 Courses X 5 ECTS = 15 ECTS

Recommended Electives
LAW 005 Criminology
LAW 105 Constitutional Law
LAW 171 History of Law System in Europe
TUM 260 History of Modern Turkey

Total of 40 Courses
7 Courses X 8 ECTS = 56 ECTS
1 Course X 7 ECTS = 7 ECTS
17 Courses X 6 ECTS = 102 ECTS
15 Courses X 5 ECTS = 75 ECTS

GRAND TOTAL 240 ECTS
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<td>HIS 181</td>
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<td>HIS 275</td>
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<td>BNE 160</td>
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<td>LAS 290</td>
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<td>MSJ 451</td>
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<td>SPS 314</td>
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Appendices

- Academic Calendar
- Organization Chart
- Governing Bodies
- Members of the Governing Bodies
- Maps
- Telephone and Fax Directory
### Academic Calendar 2014-2015

#### FALL SEMESTER 2014-2015

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>REGISTRATION WEEK</td>
<td>1– 5 September</td>
</tr>
<tr>
<td>COMMENCEMENT OF LECTURES</td>
<td>8 September</td>
</tr>
<tr>
<td>LAST DATE FOR COURSE SELECTION</td>
<td>19 September</td>
</tr>
<tr>
<td>LAST DATE FOR COURSE REMOVAL</td>
<td>26 September</td>
</tr>
<tr>
<td>LAST DAY OF WITHDRAWAL FROM COURSE</td>
<td>24 October</td>
</tr>
<tr>
<td>END OF LECTURES</td>
<td>5 December</td>
</tr>
<tr>
<td>HOLIDAYS (EASTER)</td>
<td>6 - 19 April</td>
</tr>
<tr>
<td>EXAM PREPARATION</td>
<td>3 - 7 December</td>
</tr>
<tr>
<td>EXAMS</td>
<td>9 - 23 December</td>
</tr>
<tr>
<td>HOLIDAY (CHRISTMAS)</td>
<td>24 December - 6 January</td>
</tr>
<tr>
<td>PUBLIC HOLIDAYS</td>
<td>1 October, 28 October, 6 January</td>
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#### SPRING SEMESTER 2014-2015

<table>
<thead>
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<tr>
<td>REGISTRATION WEEK</td>
<td>12 - 16 January</td>
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<tr>
<td>COMMENCEMENT OF LECTURES</td>
<td>19 January</td>
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<tr>
<td>LAST DATE FOR COURSE SELECTION</td>
<td>30 January</td>
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<tr>
<td>LAST DATE FOR COURSE REMOVAL</td>
<td>6 February</td>
</tr>
<tr>
<td>LAST DAY OF WITHDRAWAL FROM COURSE</td>
<td>6 March</td>
</tr>
<tr>
<td>END OF LECTURES</td>
<td>30 April</td>
</tr>
<tr>
<td>HOLIDAYS (EASTER)</td>
<td>6 - 19 April</td>
</tr>
<tr>
<td>EXAM PREPARATION</td>
<td>4 - 8 May</td>
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<tr>
<td>EXAMS</td>
<td>7 - 21 May</td>
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<tr>
<td>HOLIDAY (CHRISTMAS)</td>
<td>23 February (Green Monday)</td>
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<tr>
<td>PUBLIC HOLIDAYS</td>
<td>25 March, 1 April, 12 April (Easter), 1 May</td>
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## Academic Calendar 2015-2016

<table>
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<th>FALL SEMESTER 2015-2016</th>
<th>SPRING SEMESTER 2015-2016</th>
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<td>Registration Week</td>
<td>31 August – 4 September</td>
<td>11 - 15 January</td>
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<tr>
<td>Commencement of Lectures</td>
<td>7 September</td>
<td>18 January</td>
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<tr>
<td>Last Date for Course Selection</td>
<td>18 September</td>
<td>29 January</td>
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<td>Last Date for Course Removal</td>
<td>25 September</td>
<td>5 February</td>
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<tr>
<td>Last Day of Withdrawal from Course</td>
<td>23 October</td>
<td>4 March</td>
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<tr>
<td>End of Lectures</td>
<td>30 November</td>
<td>19 April</td>
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<tr>
<td>Holidays (Easter)</td>
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<tr>
<td>Exam Preparation</td>
<td>5 - 8 December</td>
<td>18 - 24 April</td>
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<tr>
<td>Exams</td>
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<td>9 - 23 May</td>
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<td>Holiday (Christmas)</td>
<td>24 December – 11 January</td>
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<td>Public Holidays</td>
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<td></td>
<td>1 October</td>
<td>14 March (Green Monday)</td>
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<td>28 October</td>
<td>25 March</td>
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<td>6 January</td>
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<td>1 May (Easter)</td>
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Governing Bodies

COUNCIL

EXTERNAL MEMBERS
4 MEMBERS APPOINTED BY THE COUNCIL OF MINISTERS
3 MEMBERS APPOINTED BY THE SENATE

UNIVERSITY MEMBERS
RECTOR (ex-officio)
VICE-RECTORS (ex-officio)
2 REPRESENTATIVES OF ACADEMIC STAFF
1 REPRESENTATIVE OF ADMINISTRATIVE STAFF
1 STUDENT REPRESENTATIVE
DIRECTOR OF ADMINISTRATION AND FINANCE
(ex-officio – non-voting member)

SENATE
RECTOR
VICE-RECTORS
DEANS
3 ACADEMIC REPRESENTATIVES FROM EACH FACULTY
STUDENT REPRESENTATIVES (number equal to the number of Faculties)
DIRECTOR OF ADMINISTRATION AND FINANCE
(ex-officio – non-voting member)
DIRECTOR OF LIBRARY
(ex-officio – non-voting member)

RECTORATE COUNCIL
RECTOR
VICE-RECTORS
DIRECTOR OF ADMINISTRATION AND FINANCE

FACULTY BOARD
DEAN
DEPUTY DEAN
CHAIRPERSONS OF THE FACULTY’S DEPARTMENTS
2 ACADEMIC MEMBERS FROM EACH FACULTY’S DEPARTMENTS
STUDENT REPRESENTATIVES
(number equal to the number of departments)

DEPARTMENTAL BOARD
PROFESSORS OF THE DEPARTMENT
ASSOCIATE PROFESSORS OF THE DEPARTMENT
ASSISTANT PROFESSORS OF THE DEPARTMENT
LECTURERS OF THE DEPARTMENT
STUDENT REPRESENTATIVES (number equal to 1/3 of the total of academic staff)

APPOINTMENT/ELECTION OF THE MEMBERS OF THE GOVERNING BODIES

Chairperson / Vice - Chairperson of the University Council
Appointed by the President of the Republic from among the external members. In cases where the Chairperson is one of the members appointed by the Council of Ministers, the Vice - Chairperson will be one of the members appointed by the Senate and vice-versa.

Rector / Vice - Rectors
Elected by the entire academic staff, student and administrative staff representatives.

Deans / Deputy Deans
Elected by the members of the Faculty’s Departmental Boards.

Chairperson / Vice - Chairperson of Departments
Elected by the Departmental Board.

Academic Staff Representatives on the Council
Elected by the Academic Staff.

Academic Staff Representatives (by Faculty) on the Senate
Elected by the Faculty Board.

Academic Staff Representatives (by Department) on the Faculty Board
Elected by the Departmental Board.
### Members of the Governing Bodies

#### Council

- **MANTHOS MAVROMATIS**, Chairperson
- **ANASTASIOS LEVENTIS**, Vice-Chairperson
- **CONSTANTINOS CHRISTOFIDES** (Rector), Member
- **ATHANASIOS GAGATSIS** (Vice-Rector of Academic Affairs), Member
- **MARIOS MAVRONICOLAS** (Vice-Rector of International Affairs, Finance and Administration), Member
- **ELENA ZACHARIADOU**, Member
- **PANTIS PAPALOIZOU**, Member
- **PAVLOS PHOTIADES**, Member
- **SYMEON MATIS**, Member
- **CHRISTOS PAPAELLINAS**, Member
- **ANDREAS SOTERIOU**, Member
- **KYRIAKOS DEMETRIOU**, Member
- **PRESIDENT OF STUDENTS UNION**, Member
- **CHARALAMBOS KITSIOS** (Representative of administrative staff), Member
- **Director of Administration and Finance, Secretary** (non-voting Member)

#### Senate

- **CONSTANTINOS CHRISTOFIDES**, Rector, Chairman
- **ATHANASIOS GAGATSIS**, Vice-Rector for Academic Affairs
- **MARIOS MAVRONICOLAS**, Vice-Rector for International Affairs, Finance and Administration
- **NIYAZI KIZILYÜREK**, Dean of the Faculty of Humanities
- **ELEFTHERIOS PAPARODITIS**, Dean of the Faculty of Pure and Applied Sciences
- **STE LIOS N. GEORGIOU**, Dean of the Faculty of Social Sciences and Education
- **HARIDIMOS TSOUKAS**, Dean of the Faculty of Economics and Management
- **CHARIS R. THEOCHARIS**, Dean of the Graduate School
- **PANOS PAPANASTASI OU**, Dean of the Faculty of Engineering
- **GEORGIOS KAZAMIAS**, Dean of the Faculty of Letters
- **ANTONIS BALASOPOULOS**, Faculty of Humanities
- **THEOCHARIDES STAVRIDES**, Faculty of Humanities
- **PANAYIOTIS CHRISTIAS**, Faculty of Humanities
- **GIORGOS PAPADOPOULOS**, Faculty of Pure and Applied Sciences
- **NIOVI SANTAMA**, Faculty of Pure and Applied Sciences
- **HARALAMBOS TSERTOS**, Faculty of Pure and Applied Sciences
- **MARY IOANNIDOU-KOUTSELINI**, Faculty of Social Sciences and Education
- **CONSTANTINOS P. CONSTANTINOU**, Faculty of Social Sciences and Education
- **ATHANASIOS RAFTOPOULOS**, Faculty of Social Sciences and Education
- **HERCULES VLADIMIROU**, Faculty of Economics and Management
- **THEOFANIS MAMUNEAS**, Faculty of Economics and Management
- **SPIROS MARTZOUKOS**, Faculty of Economics and Management
- **GEORGIOS ELLINAS**, Faculty of Engineering
- **PANAYIOTA PYLA**, Faculty of Engineering
- **MARIOS PHOCAS**, Faculty of Engineering
- **PANTELIS VOUTOURIS**, Faculty of Letters
- **MICHALIS PIERIS**, Faculty of Letters
- **DEMETRIS PORTIDES**, Faculty of Letters
- **YI ANNA BALANIDOU**, Student Representative
- **STAVROS ZAXARIA**, Student Representative
- **ALEXANDROS THEOKLIS**, Student Representative
- **CONSTANTINOS KOUPIS**, Student Representative
- **APOSTOLOS TSAKISTOS**, Student Representative
- **GIORGOS CHARALAMBOUS**, Student Representative
- **MIXALIS FILIPPAKIS**, Student Representative
- **ADROULLA THEOPHANOUS**, Deputy Director of Administration and Finance, Secretary (non-voting member)
- **PHILIPPOS TSIMPOGLOU**, Director of Library (non-voting member)

#### Administrative Services

- **DEPUTY DIRECTOR OF ADMINISTRATION AND FINANCE**: ADROULLA THEOPHANOUS
- **ACADEMIC AFFAIRS AND STUDENT WELFARE**: PHILIPPOS PATTOURAS, Head
- **FINANCIAL**: ADROULLA THEOPHANOUS, Head
- **HUMAN RESOURCES**: GLAFKOS CHRISTOU, Head
- **INFORMATION SYSTEMS**: AGATHOCLEIS STYLIANOU, Head
- **LIBRARY**: PHILIPPOS TSIMPOGLOU, Head
- **RESEARCH AND INTERNATIONAL RELATIONS**: GREGORY MAKRIDES, Head
- **TECHNICAL**: AGIS ELISSEOS, Head
Maps

For detailed maps: http://www.ucy.ac.cy/maps-en
Access to the New Campus

1. University House - "Anastastios G. Leventis" - (ADM)
2. Common Teaching 01 (CTF01)
3. Faculty of Pure and Applied Sciences (FST01)
4. Faculty of Pure and Applied Sciences (FST02)
5. Common Teaching 02 (CTF02)
6. Faculty of Economics and Management (FEB01)
7. Faculty of Economics and Management (FEB02)
8. Social Facilities (SFC)
9. Indoor Sports Hall (SFC)
10. Services Buildings (SBD)
11. Energy Centre (ENC)
12. Photovoltaic Park
13. Campus Supplementary Offices (CDO)
14. Residential A (SRA)
Plan of Central Campus (Kallipoleos Avenue)

1. Department of History & Archaeology
2. Restaurant
3. Dean of the Faculty of Letters/School of Modern Greek
4. Lecture Rooms
5. Assembly Hall
6. Library
7. Engineering Labs
8. Information Systems Service (P)
9. Dean of the Faculty of Humanities/Department of English Studies (M)
10. Gymnastics Room (N)
11. Wing E (Library / Lecture Rooms) (E)
12. Chapel
13. Wing B (EDU Labs)
14. Restaurant Utilities (G)
15. Main Server Room (S)
16. Labs
17. Dean of the Faculty of Social Sciences and Education/Department of Psychology
18. Department of Turkish & Middle Eastern Studies
### Telephone and Fax Directory

<table>
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<th>TEL.</th>
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<td><strong>University Council Chairperson</strong></td>
<td>22894011/4350</td>
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<td>Rector’s Office</td>
<td>22894008</td>
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<td>Social Sciences and Education</td>
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<table>
<thead>
<tr>
<th><strong>ADMINISTRATIVE AND OTHER SERVICES</strong></th>
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<tbody>
<tr>
<td>Academic Affairs and Student Welfare</td>
</tr>
<tr>
<td>Aula Cervantes</td>
</tr>
<tr>
<td>Canteen/Restaurant (Central Campus)</td>
</tr>
<tr>
<td>Canteen (University House “A. G. Leventis”)</td>
</tr>
<tr>
<td>Centre of Continuing Education, Assessment and Development</td>
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<tr>
<td>Centre of Teaching and Learning</td>
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<tr>
<td>Cultural Centre (Axiotheas Mansion)</td>
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<tr>
<td>Financial Services</td>
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<tr>
<td>Health Center (Kallipoleos Campus)</td>
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<td>Health Center (University Campus)</td>
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<tr>
<td>Human Resources</td>
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<tr>
<td>Information Systems Service</td>
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<tr>
<td>Legal Counsellor of the University</td>
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<tr>
<td>Library</td>
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<tr>
<td>Research and International Relations</td>
</tr>
<tr>
<td>School of Modern Greek</td>
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<tr>
<td>Security (Central Campus)</td>
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<tr>
<td>Security (New Campus)</td>
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<tr>
<td>Sports Center</td>
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<tr>
<td>Technical Services</td>
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<tr>
<td>UCY Voice</td>
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<table>
<thead>
<tr>
<th><strong>ACADEMIC DEPARTMENTS, RESEARCH UNITS/CENTRES</strong></th>
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<tbody>
<tr>
<td>Accounting and Finance</td>
</tr>
<tr>
<td>Archaeological Research Unit</td>
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<tr>
<td>Architecture</td>
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<tr>
<td>Biological Sciences</td>
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<tr>
<td>Byzantine and Modern Greek Studies</td>
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<tr>
<td>Centre for Banking and Financial Research</td>
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<tr>
<td>Centre for Gender Studies</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Civil and Environmental Engineering</td>
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<tr>
<td>Classics and Philosophy</td>
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<tr>
<td>Computer Science</td>
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<td>Education</td>
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<tr>
<td>Electrical and Computer Engineering</td>
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<tr>
<td>English Studies</td>
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<tr>
<td>French Studies and Modern Languages</td>
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<td>History and Archaeology</td>
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<tr>
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<tr>
<td>Mathematics and Statistics</td>
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<tr>
<td>Mechanical and Manufacturing Engineering</td>
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<tr>
<td>Molecular Medicine Research Centre</td>
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<tr>
<td>Nanotechnology Research Centre</td>
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<td>Oceanographic Centre</td>
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<td>Physics</td>
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<td>Public and Business Administration</td>
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<tr>
<td>Research Centre for Intelligent Systems and Networks (KIOS)</td>
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<tr>
<td>Research Centre for Sustainable Energy</td>
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<tr>
<td>Social and Political Sciences</td>
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<tr>
<td>Turkish and Middle Eastern Studies</td>
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<thead>
<tr>
<th><strong>STUDENTS UNION</strong></th>
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<tbody>
<tr>
<td>Student Union Office</td>
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