A few words from the Rector

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Department of French Studies and Modern Languages
Department of Turkish and Middle Eastern Studies
Language Centre

FACULTY OF PURE AND APPLIED SCIENCES
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Department of Chemistry
Department of Computer Science
Department of Mathematics and Statistics
Department of Physics

FACULTY OF SOCIAL SCIENCES AND EDUCATION
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Department of Social and Political Sciences

FACULTY OF ECONOMICS AND MANAGEMENT
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Our programmes of studies cover a wide spectrum of academic disciplines, from the study of economy and technology, to humanities and letters. Moreover, the syllabi are structured so as to encourage students to synthesise the rationalism of the economic sciences and the know-how of the applied sciences, with the critical thinking and the cultural sensitivity of the social sciences and the humanities.

The University of Cyprus is a vigorous community of scholars, engaged in the generation, capitalisation, and diffusion of knowledge. The University is widely recognised as a pioneer of change for the educational and cultural life of the country. Through its brief eighteen-year history of educational services, the University of Cyprus has earned the respect of the international academic community, and the appreciation of Cypriot society. These achievements are the result of the systematic efforts of our academic staff, the tireless efforts of the administrative workforce, and the enthusiasm of the student community.

The students of the academic year 2010-2011 will find themselves immersed in a modern educational environment, significantly upgraded in comparison to the University environment of the first years of operation.

The University Campus building programme continues to expand. To date, the basic infrastructure of the University Campus, among other things, the first phase of the Student Residences, the Faculty of Pure and Applied Sciences, the first building of the Common Teaching Facilities, and the “Anastasios G. Leventis” University House, which houses the management and most of the administrative services of the University, together with the Sports Facilities, are operating.
The extension of the Faculty of Pure and Applied Sciences has recently started operating as well, while the construction work of the Faculty of Economics and Management, the Common Teaching Facilities II and the buildings of the Social Support Facilities is expected to be finished in 2010. The design of the Learning Resource Centre “Stelios Ioannou” has been completed and the tendering for construction works is scheduled to be announced within the current year. Upon completion, the University Campus will be able to accommodate a total of 10,000 students.

Shortcomings remain. These can be attributed, primarily, to the lack of academic tradition in Cyprus that makes ordinary university challenges loom larger. The University of Cyprus continues to work methodically in its bid to address the challenges, to further upgrade its services, and to become a centre of academic excellence for Cyprus and the region. This, after all, is what Cypriot society expects of us. This is the demand placed on us by recent developments in education, especially with the creation of the European Higher Education Area.

Through the dedication, enthusiasm and hard work of our University community, the University of Cyprus will continue to bear fruit.

In this framework, I welcome you and wish all members of the University community a productive and creative academic year, marked by scholarly and professional success, and filled with good health and personal happiness.

Professor Stavros A. Zenios

Rector
The University of Cyprus

The University of Cyprus was established in 1989 and admitted its first students in 1992. Admission to the University is highly sought, evidenced by the number and calibre of its applicants. The ratio of candidates to admissions is 10 to 1. The University was founded in response to the growing intellectual needs of the Cypriot people, and is well placed to fulfil the numerous aspirations of the country.

Main Objectives

The main objectives of the University of Cyprus are twofold: the promotion of scholarship and education through teaching and research, and the enhancement of the cultural, social and economic development of Cyprus.

In this context the University believes that education must provide more than simply accumulation of knowledge. It must also encourage students’ active participation in the process of learning and acquisition of those values necessary for responsible and active involvement in the community. The University sets high standards for all branches of scholarship. Research is promoted and funded in all departments for its contribution to scholarship in general and for its local and international applications.

Research Activity

Original research is one of the primary activities of the academic staff at the University of Cyprus. This research may also involve undergraduate and postgraduate students, and research assistants. 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 projects (including the 7th Framework Programme, INTERREG, COST, ERC, EUROMED, HERITAGE, LEONARDO, MEDA, LLP) constitute the majority of externally funded projects. For the achievements of the academic staff in research and innovations the University of Cyprus is recognised through international awards and it is favourably classified after international evaluation.

The University is a member of a number of international university organizations 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 programmes that are specifically aimed at the needs of Cypriot industry and the economy in general.

Governing Bodies

The University is a public corporate body. It is 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.

Administrative Services

The Administration is composed of the following Services:

- Academic Affairs and Student Welfare
- Financial Services
- Human Resources
- Information Systems Services
- Library
- Research and International Relations
- 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 assists 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 built facilities at the new University Campus, the former Pedagogical Academy of Cyprus, in other owned or rented buildings as well as a cluster of buildings at Latsia. 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. In this Campus, two additional buildings have been constructed: the New Wing (Building E) and the recently completed 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.

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 designs and construction management for the various buildings on the New Campus. Upon completion, the University Campus will be able to accommodate a total of 10,000 students.

To date, the basic infrastructure of the University Campus, as well as the Services and Stores Buildings, the Student Residences (Phase 1a), the Faculty of Pure and Applied Sciences including the Common Teaching Facilities, the Anastasios G. Leventis University House, which houses the management and most of the administrative services of the University, and the Sports Facilities, are already operating. In October 2009, the extension of the Faculty of Pure and Applied Sciences has been completed. It will temporarily house the Department of Biological Sciences and other operations of the Faculty.

According to the projects work flows, during the first semester of 2010, the construction works of the Faculty of Economics and Management including the Common Teaching Facilities II and the Social Facilities Centre will be completed. The design for the Learning Resource Centre “Stelios Ioannou” has been finalised and tenders for the construction works will be announced within 2010. Construction works for the multilevel parking will also commence in 2010. In 2010 the architectural competition of the permanent facilities of the Faculty of Engineering will be completed and its design will be assigned. The architectural competition of the Department of Biological Sciences and the Common Teaching Facilities III will follow shortly.

**International Relations**

The University 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 Commonwealth Universities (ACU), the International Association of Universities (IAU), the Association of Arab and European Universities (AEUA), the Santander Group (SG), LEO-NET, the European Association of Erasmus Coordinators (EAC) and others. The University has also established close contacts with numerous international organisations, including the European Commission (DG Research 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 Rector of the University of Cyprus, Stavros Zenios, was elected as President of the UNICA Network for the period 2008-2011. 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.

The University of Cyprus has signed Bilateral Agreements of Cooperation with around 77 universities in Europe, Australia, Middle East, Asia, USA, and Canada. These agreements, which are both inter-university and inter-departmental, authorise and facilitate student and academic staff exchanges, joint research projects, conferences and exchange of teaching and research material.

Lectures/Cultural Activities
All departments of the University organize public lectures and other events focused on issues of scholarly, scientific and wider interest. In addition, the University organizes lectures, cultural events, exhibitions, concerts and other activities open to the general public. Our 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 the Municipality of Aglantzia, organizes a series of lectures open to the public, which is known as the “Free University” at Skali Aglantzas, whereas in cooperation with the Larnaca Municipality it operates the “Zenonion Free University”. The University of Cyprus has also expanded the “Free University” scheme to cover Limassol (in cooperation with the Municipality of Famagusta), Pafos (the “Ierokipeion Free University”, in cooperation with the Municipality of Yeroskipou) and the Cypriot Diaspora in London.

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

The Academic Staff
The academic faculty is international and has been recruited from reputable universities worldwide.

Undergraduate Studies
The academic year comprises 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.

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 and the Department of French Studies and Modern Languages, classes are taught in English and French respectively.

The programme of studies is based on credit units (ECTS) and all students are required to fulfil a foreign language requirement. There are approximately 4,500 undergraduate students.

Fees
• Fees total €1,709 per semester for Cypriot students and are paid by the State.
• Fees for foreign students total €3,417 per semester.
• Fees for students admitted from EU countries total €1,709 per semester and are paid by the State.

(See Chapter II for further information)
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 1,500 postgraduate students.

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

Assessment Criteria

- University education in a relevant degree
- Letters of recommendation
- Personal interview, at the discretion of each department
- Written examination, at the discretion of each 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 fifth semester of studies at the latest.
- Submission of an original dissertation constituting an important contribution to a particular discipline.

Fees

Master Degree
- Master Programmes: €5,125 per programme
- Master in Business Administration (MBA): €10,250

Doctoral Degree
- Holders of Master’s Degrees: Total Fees €4,000
- Non-holders of Master’s degrees: Total fees €6,500 provided that they complete the requirements of their programme and acquire the PhD 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 €1,250 each year. (Maximum tuition fees are €9,000)

Further information on postgraduate studies can be obtained from the secretariats of the relevant departments or the Office for Postgraduate Studies of the Academic Affairs and Student Welfare Services.

Library

The University of Cyprus Library’s mission is to create and support a reliable information environment that will enhance learning and progress at the University of Cyprus and society more generally, and to develop strategies and systems through which the facilitation of the diffusion of world scientific knowledge will be promoted.

More than 240,000 titles (corresponding to more than 300,000 items of material), with an annual increase of about 12,000 new items, are housed in the Library.
The catalogued books are searchable via the integrated Library system, either from all computers connected to the campus network or remotely, through the online public access catalogue (WEB-OPAC) operated by the Library (http://library.ucy.ac.cy).

The Library is a fully electronic library (concerning its operation) and a hybrid library (concerning its content). It contains print, non-print, audiovisual and digital material, as well as facilities for the reproduction of material into Braille for blind users.

**Recognised for Excellence**

In 2009 the Library achieved, as an administrative unit, the European Foundation for Quality Management (EFQM) award “Recognised for Excellence in Europe” with 3 stars. This distinction is the second out of three EFQM award levels regarding the administration and management of organizations or parts of them.

**Digital Library**

The Digital Library consists of the following subsystems:

- electronic journals - approximately 30,000 titles, of which 12,000 are mainly available through HEAL-link (Hellenic Academic Libraries Link); 86 Greek literary and philological journals of the 19th and 20th centuries from the Hellenic Literary and Historical Archive (ELIA), and also the Journals Archive of the Royal Society of Chemistry.

- 173 bibliographic databases, statistical and economic databases, full-text collections, etc.

- 30,000 electronic books Netlibrary (5,179 titles), books and book series from publishers such as Elsevier (2,800 titles), Springer (12,000 titles), Taylor and Francis (500 titles), Safari Books (8,000 titles), Royal Society of Chemistry (850 titles), Hague Academy Collected Courses (330 titles), dictionaries like Oxford Reference Online (100 titles of reference works), IEEE Conference Proceedings (450 titles) and 100 collections which include 200,000 electronic books and doctoral theses freely accessible through the internet.

- Online Public Access catalogue (Web-OPAC).

- 400 useful internet links, organized into structured indexes.

The digital library also provides general information regarding the operation of the Library such as services offered, hours of operation, personnel contacts and links to other Cypriot and international libraries.

The Library participates in the HEAL-link (Hellenic Academic Libraries Association) and CALC (Cyprus Academic Library Consortium), through which journals/database subscriptions and acquisition of automated systems of information organization are undertaken in cooperation. This will ensure the rational growth of the various collections between the members, saving of resources and access to a larger number of sources.

The Library is a member of KEBEP (Cyprus Association of Librarians – Information Scientists), EEBEP (Association of Greek Librarians and Information Scientists) and the international Organizations UNICA, IFLA and LIBER.

Collaborating with local organizations like SIMAE (Council of Historical Memory of EOKA 1955-1959), KEE (Cyprus Research Centre), Cyprus Library, etc, the Library has undertaken the digitisation of their archives and collections. The digital collection of SIMAE and an indicative sample of the KEE collection, which hold works of historical and political interest, are freely available via the Library’s website.

The Library created the Greek Library and Information Science Database (E.Vi.Va), which contains the proceedings of the Pan-Hellenic Conferences of Academic Librarians, journal articles, conference and meeting presentations in Greece on the subject of Library and Information Science. The database is freely accessible through the Web, from the Library's website.
Library Collections and Services

Main Library

(a) Section of Open Stacks and Reading Room
This section includes the main open access collection of books, organized by subject categories according to the Library of Congress Classification System. It has 200 seats available for Library readers, as well as an electronic reading room for access to all the subsystems of the digital library. Lending and photocopy facilities are provided.

The main Library houses among others, the following collections: Browning, Dakin, Diamantis, Dervis, the former Pedagogical Academy Collection and the Dimitsopoulos Collection. The Library subscribes to both the Greek and the foreign press.

(b) Reference Material Collection
Apart from the electronic reference collections, which are accessible through the Digital Library within the University network, printed reference materials such as encyclopaedias, interpretive and biographical dictionaries are also available.

(c) Audiovisual Material Collection
This collection includes audio cassettes, videocassettes, diskettes, CDs, vinyl discs, slides, microfilms, microfiches, DVDs and maps as well as the equipment required for educational and research use of this material. This section contains a total of 7,850 titles.

(d) International Cooperation and Interlibrary Loan (ILL) Service
Collaboration has been established with international networks (Interlibrary Loan Network of Hellenic Academic Libraries, the Interlibrary Loan Network of the National Documentation Centre (NDC), SUBITO from Germany, British Library, INIST from France, etc.) to ensure the availability of books or journal articles not included in the Library collection. Articles are also sent from the Library in response to application requests from other libraries in Cyprus and abroad.

(e) Library and Information Services for Blind and Visually Impaired Users
Since 2000, an adaptive workstation has been 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.

Blind users are able to read and send e-mails, surf the Internet, search the Library’s OPAC, search databases, read journal articles and study electronic books. The refreshable Braille display, special magnification software and/or the transformation of the screen texts into acoustic format through the speech synthesizer facilitate reading.

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 users. In 2005 the Library became a member of DAISY Book Consortium.

Ask a Librarian Services

• By instant chatting
Ask a Librarian by instant chatting is intended for registered library members (UCY administrative and academic staff, UCY students and external users) and non-registered members, who have brief and specific reference questions related to the collections, resources and services of the UCY library. Replies are sent via real time chat.

The reference staff is available to chat between 8:30-13:30, Monday – Friday, excluding holidays.

• By appointment
Ask a Librarian by Appointment allows library members to schedule a research consultation appointment for: individual assistance in locating the appropriate print and electronic resources for a particular topic; individual introduction to the UCY Library catalogue and collections; information on using UCY Library resources, including databases and Refworks; assistance in searching library catalogues, indexes and the Web.

The service is available primarily to University of Cyprus students, staff and faculty and, as time permits, to users outside the UCY community.
The Library organises training seminars to familiarise users with its facilities and services. The seminars are complemented by orientation tours and scheduled workshops on specific tools and topics which, enable users to understand the particularities of the various Library facilities and thus improve their research abilities.

Periodicals Library
The Periodicals section is located in the New Wing of the University campus on Kallipoleos Street. Using the system of mobile shelving units, it provides approximately 5,177 printed scholarly journals, 3,985 of which are foreign language journals and 1,192 are Greek language journals. The collection is organized by general subject categories according to the scientific needs of the academic community and alphabetically by title within each category. The collection of electronic journals includes 30,000 titles, from subscriptions, full-text databases and through the Library’s participation in the Hellenic Academic Libraries Association (HEAL-link) and CALC (Cyprus Academic Library Consortium). It also includes Open Access titles which are freely available through the Internet, as well as approximately 150 Greek titles.

The Library provides workstations for access to electronic sources, a reading room, lending facilities and photocopy machines for reproduction according to the existing copyright law.

Library Branches and Collections
A. Archaeological Collection (12 Gladstones Street)
A significant collection of archaeological material is housed at the Archaeological Research Unit. The collection serves the needs of its researchers and members of the academic community.

The collection, which is not lending, consists of 22,879 archaeological books and approximately 400 periodical titles, as well as the D. Pallas Byzantinological Collection.

The library branch provides workstations for access to the electronic sources of the Library, a reading room and photocopy machines.

B. Turkish Studies Collection (10 Halkokondili Street)
The significant collection of approximately 20,134 turcological books and 800 periodical titles make up the Turkish Studies Collection, which aims to meet the educational and research needs of the Department of Turkish and Middle Eastern Studies, as well as external researchers. The Library includes the collections of Halasi-Khun Tibor, Andreas Tieze and Louis Bazin and the daily Turkish-Cypriot Press.

The library branch provides workstations for access to the electronic sources of the Library, a reading room, lending facilities and photocopy machines.

C. Strovolos Branch (58 Bethlehem Street)
The Library branch is a closed access collection (not accessible to the users). This branch holds material that has been assembled due to lack of space at the Main Library. Following an application by the user, the material is transferred to the Main Library on a regular basis.

D. Larnakos Avenue Branch (167 Larnakos Avenue)
In order to serve better the members of the academic community, the Library has set up a branch near the new University Campus, on Larnakos Avenue. This branch mainly houses the collection of pure and applied sciences, and is open to the public and offers reading space for 15 users, circulation and photocopying facilities.

Using the Library
All members of the University of Cyprus are entitled to use the Library (students, academic faculty, researchers and administrative staff) provided they have acquired a University library card, which allows access to all collections and branches of the Library.
External Users
The reading rooms and open-stack books are also available to external users not affiliated with the University of Cyprus. External users are given borrowing rights upon approval of their application and payment of the annual membership fee.

"Stelios Ioannou" Learning Resource Centre
The UCY Library will soon be housed in a new building, the "Stelios Ioannou" Learning Resource Centre, named in honor of the donator’s spouse. The building has been designed by the renowned French architect Jean Nouvel, and construction is scheduled to begin in January 2011. The building is expected to be completed and fully operational in 2015.

Information Systems Services
The Information Systems Service (I.S.S.) provides computing and information technology services to the entire University. The services focus on hardware (supply and maintenance) as well as software and applications. The services are intended for general use, such as networking, printing, electronic mail, and office applications, as well as customized use, such as the developing of specific ‘tailor’-made applications, depending on the specific needs that are presented at any given time. Because the University is continually developing, and because IT and computing are rapidly expanding fields, the University operates in a very dynamic environment. The mission of the Information Systems Service is thus to continuously evaluate and introduce new technologies so that the University operates with the utmost efficiency (regarding both cost and operations). 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.

Information Security Office
The aim of the Information Security Office is to provide solutions to security incidents and to offer proactive security analysis, development, education, and guidance relating to the University’s information assets and information technology environment. It manages security systems to prevent malicious attacks, viruses, spam and unauthorised usage. The Information Security Office continuously monitors various security announcements and informs the University community of potential risks or forthcoming security-related problems.

Network Sector
The aim of the Network Sector is to provide advanced network services and to create, manage and maintain the network that interlinks all the buildings of the University. Objectives are to achieve the easy-wired and wireless secure connectivity of any user with the voice and data network, and to plan future upgrades of the network according to the functional requirements of users and technological developments. Networks Section also offers multimedia services concerning audio and video transfer like teleconference services, video streaming and digital information services. Another service that the Networks Sector provides is the audiovisual covering (video and photography) of the University events followed by the editing and post-production manipulation of the digital material.

Systems and Applications Management Sector
The Systems and Applications Management Sector (SAMS) is responsible for the provision and support of the main information infrastructure of the University of Cyprus through the study, introduction and application of new technologies. This sector currently consists of the offices mentioned below:

Central Systems and Applications Support Office
Unified and Automated Services Support Office
The major services offered to the students by SAMS are:
• E-mail
• Issuance of usernames and passwords (for access to the laboratories, the e-mail, the Banner class registration system, the BlackBoard software, the VPN remote connection service and others).
New Technologies and Education Sector
The aim of the New Technologies and Education Sector is the implementation and application of the capabilities offered by new technologies and the internet. The sector aims to provide continuous education and training to the university community, eventually leading to an increase in the use of personal computers and office tools, thus an increase in productivity.

Education Office
The aim of the Education Office is the continuous education and training of the university community in the area of Information Technology services and tools. An example of the services of the Education Office is the "crash" course for using Microsoft Office offered to first-year students.

E-University Office
The objective of the E-University’s is to facilitate the implementation of the University’s strategic development plan.

The E-University provides access to information to students, academic staff, administrative Staff and collaborators.

It also aims to improve Student, Administrative and Financial Services and to promote knowledge sharing and collaboration in learning and research.

e-Services Team

Internet Applications
The team is responsible for the development of applications which are linked with databases.

e-Learning
The Information Systems Services and the e-Services team support the e-Learning system of the academic community of the University by installing and maintaining blackboard e-learning systems.

These systems enhance the education of students by providing alternative means of communication not only between professors and students, but also among students.

Website Development
The team is responsible for creating new websites for the Services and Departments of the University. These websites are based on the standards for developing websites that are set by the University.

Users Support Sector

Help Desk / Service Desk
A computerised Service Desk/Help Desk now functions within the Information Systems Services. The Service Desk Management system manages, tracks and monitors all service requests such as:

- Network, internet requests
- Security incidents
- System requests
- Application requests
- Operational incidents.

Central Laboratories
The office of Laboratories manages four computer laboratories, each equipped with 120 personal computers. Two of the computer laboratories are located at the Old Campus, one is at the New Campus and one is at the Latsia branch.

The Office of Laboratories is responsible for the smooth operation of the computer equipment and the software installed at the computer laboratories. Beyond the maintenance of the systems, one of the primary objectives of the Office of laboratories is the continuous and qualitative upgrading of the services to the university community. To this end, the Central Active Directory server has been connected with the central LDAP server so that all users have a unified account for access to all general use laboratories as well as their e-mail and other services offered to them via the LDAP service.
Domain Name Service (.cy)
The University of Cyprus is the official registrar for all Internet Top Level Domain Names ending in .cy and manages the CY domain as a service to the Internet community in Cyprus.

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 Cyprus University 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 respectable place on the cultural map of Cyprus.

Publications
In order to provide comprehensive information to the public, students and prospective students, and the international academic community, the University of Cyprus produces a wide range of publications. These include an annual undergraduate and postgraduate prospectus in Greek and English, publications on the research activity of the University, the University Annual Report, information leaflets and other material. A University magazine is published every six months and a newsletter is published every two months. “Apofoitos”, the Alumni Relations University magazine, is issued every six months. The majority of the publications are produced by the Publications Office of the Research and International Relations Services, but a substantial number of research and information publications are produced by the faculties, departments, research units, services and other entities of the University.
student life
STUDIES

Requirements for Admission

Approximately 1,600 students are admitted to the University of Cyprus every year. Admission for the majority of students is by entrance 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.

Vacant Positions

Vacant positions as a result of National Guard enlistment or other reasons are distributed to other candidates based on entrance examination results.

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

A limited number of positions (up to 14% of the Cypriot applicants) are offered to special categories such as the disabled due to acts of war, children of missing persons, persons living in the occupied area of the country, and those with close relatives who died during the Turkish invasion. Admission is open only to candidates who achieve a certain minimum grade in the examinations.

Cypriots and Greeks of the Diaspora

Cypriots and Greeks of the Diaspora, Cypriots who belong to specific religious minority groups as determined by the constitution of Cyprus, repatriated Cypriots and Cypriots who are permanent residents in other countries, can claim a limited number of positions (3% of the admitted Cypriot students) based on GCSE / GCE or other equivalent examinations.

Turkish Cypriots

Turkish Cypriots who hold a six-year high-school diploma are eligible for admission upon satisfactorily passing special examinations set by the University.

Students from E.U. Member States

Candidates who are citizens of the E.U. member states can be admitted based on GCE or other equivalent examinations. A limited number of Greek citizens (10% of the total number of admissions) are admitted based on the entrance examinations set by the Ministry of Education of Greece. These examinations can also be taken by Cypriots residing in Greece.

Greek citizens who have graduated from a six-year high school in Cyprus are eligible to participate in the entrance examinations set by the Ministry of Education of the Republic of Cyprus.

Students outside the E.U.

Overseas students who are graduates of high schools recognised by the appropriate education authority of their country, and who possess a good knowledge of Greek or Turkish can be admitted based on GCE or GCSE or other
equivalent examinations, or based on the results of special examinations set by the University of Cyprus. Application forms must be submitted to the Academic Affairs and Student Welfare Service from the 1st until the 30th of April of the entrance year.

For details about admission based on GCE examinations see the table on the previous page.

General Attendance Regulations
The programme of studies at the University of Cyprus is based on the European Credit Transfer and Accumulation System (ECTS).

Undergraduate Studies
Both B.A. and B.Sc. degrees require the completion of at least 240 ECTS according to the analytical academic programmes of the various departments. Those 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.

Foreign Language
All undergraduate programmes require two-three courses in a foreign language. The student’s performance in the foreign language is included in the average mark.

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.

Further Information
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 Student Welfare Office, the Student Union office and at the Academic Affairs and Student Welfare website (www.ucy.ac.cy/fmweb).

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 obligations 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.

The 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 upcoming interns 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 C.V. 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

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.

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.

Information Office

The Information Office provides information on a wide variety of student issues such as studies, housing, welfare, counselling, career, sports, etc. Information is available by phone and/or email (fm@ucy.ac.cy).

The Office provides handouts, transcripts, certificates and application forms regarding financial aid, exemption from military obligations, change of major degree, housing, etc. It also provides students transcript and degree translation in English.

Personal Guidance and Counselling Services

The University provides counselling services for personal and/or academic issues that may interfere with the students’ academic career. Through counselling and psychotherapy, the Counselling Office assists students with a range of issues like stress and anxiety, time management, relationship difficulties, confusion, loneliness, etc. The services are free of charge, short-term and confidential. Throughout the academic year, there are a number of presentations and workshops offered based on the students’ interests. The primary goal of this service is to assist students in developing and maximising their educational experience.

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 at the beginning of each academic year. The 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 a restaurant and a canteen that operate on commercial terms but with controlled prices. There is also a restaurant at the Latsia Annex, and there are 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**

Five scholarships (€3,845 each) are awarded by the Cyprus government to Greek students based on their examination results. Furthermore, the Cyprus government offers meal coupons every semester to students who are Greek subjects or Greeks of the Diaspora. The coupons are equivalent to €5,15 each and they are valid during weekdays at the University restaurants. They are given to students by the Social Support Office at the beginning of each semester.

**Health**

All Cypriot students of the University of Cyprus are given free medical and pharmaceutical care by all public hospitals on presentation of their student identity card. All students from E.U. member states are given free medical and pharmaceutical care by all public hospitals on presentation of their Eurocard. The University Health Centre, operating at the University central building, offers first aid, provides advice on health issues, and also organizes prevention campaigns, blood-donation drives and refers students to public hospitals.

**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 the 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**

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 from 07:30-22:00.

The Sports Office 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 Office respects and enforces Olympic principles.

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

The Sports Office expects all athletes to compete in earnest and show good sportsmanship. This will ensure the positive growth of sports at the University.

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 Office hopes to make its contribution to Cypriot society at every opportunity available.

Student Clubs

There are 31 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. In turn, they 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
- Carreer and Study Group
- Cyprus Educational Administration Society (C.E.A.S)
- Cyprus Association for Special Education (C.A.I.E.)
- Dance
- Early Education
- Environmental
- European Club
- Experimental Workshop of Creative Expression (E.W.C.E.)
- Film
- Greek
- IEEE
- Journalists
- Karate
- Literature
- Mountain Sports
- Music
- Orthodox and Hellenic Tradition
- Photoclub
- Philosophy
- Political Studies
- Psychology
- Radio
- Sailing
- Scouting and Survival
- Sociology and Political Science
- “Terpsichorian” Music Group
- Theatre
- Volunteer Student
- 21 Grams Society
- Club of Intellectual and Table Games
- Radio Station

Radio Station of the University of Cyprus

UCY Voice, the radio station of the University of Cyprus was founded 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 http://www.ucyvoice.ucy.ac.cy.
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 EXCHANGES

LIFE LONG LEARNING PROGRAMME - LLP, 2007-2013

ERASMUS Studies - ERASMUS Placements

The University of Cyprus has been participating in ERASMUS since the academic year 1998/1999. The goal of ERASMUS is the promotion of the European dimension in education and the acquaintance of students and teachers with the different cultures that compose the European Union, within a framework of a number of activities, the most important of which is the exchange of students and staff.

For the period 2007-2013, the Action ERASMUS-Studies and the ERASMUS-Placements are within the framework of the Life Long Learning Programme (LLP).

An important aim of these Actions is to establish a European consciousness, and this goal is achieved by learning the European languages, particularly those which are less widely spoken, such as Danish, Finnish, Flemish, Dutch, Italian, Portuguese and Swedish, and establishing personal contact with each others’ cultures and civilisations especially among the younger generation. Exchanges aim to promote the above objectives and simultaneously give the students the opportunity to fulfil part of their degree in other European institutions (for one or two semesters of the same academic year).

Exchanges depend upon the mutual recognition of the educational study programmes by the host and sending universities. This is achieved through the implementation of the rules set by the European Credit Transfer and Accumulation System (ECTS) which are based on transparency of information and methodology and on mutual trust and recognition of the programmes of study involved.

The ECTS programme of studies comprises 60 credits per academic year, 30 ECTS per semester. The Diploma Supplement is granted free of charge to all graduates of the University of Cyprus. The Diploma, which is issued by the hosting university, describes the content and level of studies undertaken, but does not substitute for the official study title or the official transcript of courses taken / ECTS earned.

In the academic year 2007-2008, ERASMUS introduced student training placements in European companies or organizations. Recognition is provided by the home institutions.

For further information on matters concerning the ERASMUS Action, 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).

Leonardo da Vinci

The Leonardo da Vinci Programme is an EU programme that promotes a vocational training policy in Europe and offers young university graduates the opportunity to be placed in companies or organizations in EU countries.

For all types of placements, support will be provided to ensure the quality of the project. Projects must, where appropriate, address the following elements:
- Linguistic and cultural preparation;
- Objectives, content and duration of the stay abroad;
- Pedagogical organisation, tutoring and mentoring;
- Validation of the skills acquired.

In addition, the individuals who are accepted will, on request and where applicable, be awarded a “Europass Mobility” document, which will be issued by the relevant implementing bodies, following the principles and criteria set out by the appropriate bodies of the European Union.
Other Student Exchanges

Within the framework of Bilateral Agreements of Cooperation, students have the opportunity to study abroad at collaborating universities.

For more information on the Exchange Programmes and the ECTS system, please contact the Life Long Learning Programme Office of the Research and International Relations Service.

SCHOOL OF MODERN GREEK

The School of Modern Greek of the University of Cyprus was founded in 1998 and aims to teach the Greek language to non-native speakers, nationals and foreigners, as well as to those who wish to perfect their knowledge of Greek. The School offers intensive and non-intensive courses at five different levels: a two-semester (26-week) course, which is held twice a week, September through May, and comprises of 156 teaching units; an intensive one-semester (13-week) course, which is held five times a week, September through December and January through April/May, and comprises of 195 teaching units; and an intensive 4-week summer course, offered daily from the last week of July to the third week of August.

In addition, the School offers intensive short-term courses tailored to specific needs, e.g. for descendants of Cypriot emigrants. 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. Students enrolled in the School of Modern Greek are entitled to use the Library, the Computer Centre and the sports facilities.

Members of the University of Cyprus (academic and administrative staff, non-Greek speaking students and exchange students) can attend, free of charge, any of the various courses (the intensive summer course and/or the one semester intensive course/one year non-intensive course).

With the financial support of the Alexander S. Onassis Foundation, the School is able to offer a limited number of scholarships for the summer intensive course.

The School of Modern Greek is located at 75, Kallipoleos Avenue, Nicosia.
The University consists of six faculties:

* **The Faculty of Humanities** with three departments and the Language Centre.
* **The Faculty of Pure and Applied Sciences** with five departments and the Oceanography Centre.
* **The Faculty of Social Sciences and Education** with four departments and the Centre for Gender Studies.
* **The Faculty of Economics and Management** with two departments, the Economics Research Centre and the Centre for Banking and Financial Research.
* **The Faculty of Engineering** with four departments, the «HEPHAISTOS» Nanotechnology Research Centre, the International Water Research Institute and «KIOS» Research Center for Intelligent Systems and Networks.
* **The Faculty of Letters** with three departments and the Archaeological Research Unit.

The table on pages 28-29 lists the departments and the degrees they offer.

On pages 31-281 there are detailed descriptions of the programmes of studies, as well as information on the aims and activities of the departments.
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ACADEMIC FACULTY

CHAIRPERSON
Kleanthes K. Grohmann

PROFESSORS
Kleanthes K. Grohmann
Andreas N. Papapavlou
Stephanos Stephanides

ASSOCIATE PROFESSORS
Maria Margaroni
Anastasia Nikolopoulou
Pavlos Pavlou

ASSISTANT PROFESSORS
Antonis Balasopoulos
George Floros
Phoevos Panagiotidis
Evy Varsamopoulou

ΛΕΚΤΟΡΕΣ
Stella Achilleos
Photini Coutsougera
Dina Tsaggari
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: English Literature, English Linguistics, Gender Studies, American Literature and Culture.

PHILOSOPHY AND OBJECTIVES OF EACH TRACK

A) Anglophone Literature and Cultural Studies

Philosophy
This programme offers the possibility of a comparative study and analysis of the literature of Anglophone countries and of countries where, due to colonialism, English remains the main language of communication. It is a track that aims at a more profound engagement with the most significant literary genres, periods and movements.

Given the prominence of North American contributions to the developments in the study of Anglophone literatures and cultures, the courses in American literature and culture constitute one of the central axes of this track.

Of equal significance is this track’s focus on cultural studies: the critical and interdisciplinary analysis of social and cultural practices in conjunction with the hegemonic structures of a particular place.

Objectives
The track in Anglophone Literature and Cultural Studies is designed to provide students with:

• A high level of communicative competence in the use of English;
• Knowledge of the literature, history and cultural background of English-speaking peoples; knowledge of major writers and literary movements;
• Familiarity with the history and theory of literature and the ability to analyze the ways in which literature articulates perspectives on historical, social and cultural realities.

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, the acquisition of a second language 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 graduate 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>
<td>3</td>
</tr>
<tr>
<td>Professional Training</td>
<td>1</td>
</tr>
<tr>
<td>Core &amp; Track Electives</td>
<td>17-20</td>
</tr>
<tr>
<td>(minimum)</td>
<td>117.5</td>
</tr>
<tr>
<td>Core &amp; Other Electives</td>
<td>9-11</td>
</tr>
<tr>
<td>(from other Tracks)</td>
<td>(maximum)</td>
</tr>
<tr>
<td>Foreign Language (non-English)</td>
<td>3</td>
</tr>
<tr>
<td>University Elective</td>
<td>4</td>
</tr>
</tbody>
</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>
</tr>
</thead>
<tbody>
<tr>
<td>Language Component</td>
<td>3</td>
</tr>
<tr>
<td>Professional Training</td>
<td>1</td>
</tr>
<tr>
<td>Core &amp; Track Electives</td>
<td>17-19</td>
</tr>
<tr>
<td>(minimum)</td>
<td>110</td>
</tr>
<tr>
<td>Core &amp; Other Elective</td>
<td>10-12</td>
</tr>
<tr>
<td>(from other Tracks)</td>
<td>(maximum)</td>
</tr>
</tbody>
</table>

C) For a B.A. Degree in English Language and Literature with a specialisation in Translation Studies, the course requirements are as follows:

<table>
<thead>
<tr>
<th>Number of Courses</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Component</td>
<td>3</td>
</tr>
<tr>
<td>Professional Training</td>
<td>1</td>
</tr>
<tr>
<td>Core &amp; Track Electives</td>
<td>12-14</td>
</tr>
<tr>
<td>(minimum)</td>
<td>82.5</td>
</tr>
<tr>
<td>Core &amp; Electives</td>
<td>13-15</td>
</tr>
<tr>
<td>(from other Tracks)</td>
<td>(maximum)</td>
</tr>
<tr>
<td>Foreign Language (non-English)</td>
<td>3</td>
</tr>
<tr>
<td>University Elective</td>
<td>4</td>
</tr>
</tbody>
</table>

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 Histories 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 Grammars
ENG 241 Sociolinguistics
ENG 340 Language Change and Development
ENG 341 Psycholinguistics
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

Minor in English Literature
Students taking a minor in English Literature are required to fulfill the Foreign Language Requirement in English in addition to nine courses in English Literature.
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.

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 350: Methodology of Teaching English as a Foreign Language, ENG 341: Psycholinguistics

(b) Four additional Courses
Four courses must be taken from the Linguistics and/or Professional components of the BA programme in English Language and Literature. All course choices are subject to the approval of the Department.

Minor in Gender Studies
The programme is offered in collaboration with the following Departments: Byzantine and Modern Greek Studies, Classics and Philosophy, Economics, Education, French Studies and Modern Languages, History and Archaeology, Psychology, Public and Business Administration, Social and Political Sciences, Turkish and Middle Eastern Studies. 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.

Minor in 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.
DESCRIPTION OF COURSES

Language Component

ENG 101 Academic Communication in English
This course is designed to introduce students to a variety of academic tasks including note-taking of university level lectures, both from reading and listening inputs, reading and summarizing text excerpts, journal articles and essays in a variety of ways, such as scanning, skimming and critical reading. 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
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
This course is designed to be a gateway to the English major. It reviews the areas students can focus on within current-day English studies and then turns their attention to two such focus areas i.e. writing critically about literature and further examines the way such basics of academic argument as thesis, evidence, and structure are applied to the general academic essay, such as the linguistics paper. Throughout the course the students will get hands-on practice with planning out, researching and (re)writing intellectually sophisticated essays of the kind that they will be expected to write in upper-level courses within the major.

Literature Component

ENG 110 Introduction to the Study of Fiction
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
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
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 317 History of Literary Theory and Critism
The course aims to raise 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 220-229 Topics in Poetry: Poetry of the Early Modern Period
This is a survey course that concentrates on the history and development of the English poem in the early modern period. Covering some of the major poetic figures of sixteenth- and seventeenth-century England, students will consider the development of a variety of poetic genres and literary traditions (such as the appropriation of the Petrarchan sonnet and the subsequent transformation of the form by English poets; the tradition of the courtly lyric; Metaphysical poetry; the development of the epic and the pastoral). Through close reading of selected texts, students will be encouraged to consider a variety of elements, such as the use of the classics and classical allusions; the politics of manuscript circulation and the shift from a manuscript to a print culture; poetry and literary patronage. Students will further be expected to consider the texts within the broader social, cultural and historical context within which they were produced and to examine (among other things) the politics of the Reformation and Renaissance humanism; the politics of gender; colonization and England’s expansion in the New World; the ideological context of the English Revolution.

ENG 220-229 Topics in Poetry: Poetry of the Long Eighteenth Century
This course focuses on English poetry of the long eighteenth century (the period between the Restoration of monarchy in 1660 and the late 1780s). We will read and discuss the work of many of the canonical and lesser-known poets of the long eighteenth century, focusing on a variety of aesthetic and social issues that marked the writing and publishing of poetry during this period. Among other elements, we will consider prosody and poetic form; neoclassicism; the use of satire; gender and class; poetry as a force for social change or as a form of opposition; popular literacy and the growth of print culture. By the end of the semester, students will be expected to demonstrate awareness of the broader social, cultural, intellectual and ideological framework within which texts under study were produced and to be familiar with current scholarly debates concerning the poetry of the period.

This course 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,
works. 

subtexts and to apply select critical theories to Shakespeare's theoretical perspectives, enabling students to interpret texts and plays as material artifacts. Texts will be studied from multiple sources, to interpret the texts under study in their broader context.

ENG 220-229 Topics in Poetry: Major Themes and Voices in Twentieth Century Poetry
This course 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 330-339 Topics in Theatre: Studies in Shakespeare
This course concentrates on selected works of Shakespeare, examining how those were shaped by the world of Elizabethan and Jacobean England. Looking at a selection of dramatic works and non-dramatic poetry, students will be encouraged to explore the social and cultural dimensions of Shakespeare's literary production. It is expected that, by the end of the semester, students will have gained an appreciation of Shakespeare's rhetorical techniques and will be able to demonstrate familiarity with the major genres and themes of Shakespeare's work. Further, that they will be able to comment on Shakespeare's use of sources, to interpret the texts under study in their broader cultural and historical contexts, and to examine Shakespeare's plays as material artifacts. Texts will be studied from multiple theoretical perspectives, enabling students to interpret texts and subtexts and to apply select critical theories to Shakespeare's works.

ENG 330-339 Topics in Theatre: Studies in Early Modern Drama
This course concentrates on some of the most important dramatists of the Elizabethan and Jacobean period in England, exclusive of Shakespeare (e.g. Christopher Marlowe, Ben Jonson, Thomas Middleton, Thomas Kyd and John Webster.) Class work will focus on the reading of selected dramatic texts, while students will be required more broadly to place early modern drama within its historical and cultural context. In particular, students will be encouraged to consider the ways in which these texts engage with a set of profound changes that transformed English culture and society in the sixteenth and seventeenth centuries, such as those brought about by (among other things) 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 Eighteenth and Nineteenth Century Drama
The course 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
The course 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
The aim of this course 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. Particular emphasis will be given to the interplay between text and performance as well as to the relationship between the theatrical work produced after World War II in English and its political, social and philosophical context.

ENG 211-219 Topics in Fiction: Studies in the Eighteenth Century Novel
In this course students will study three major novels by three of the most influential prose fiction writers that helped shape the emerging genre of the English novel in the early to mid-eighteenth century. These are: Daniel Defoe, The History and Misfortunes of the Famous Moll Flanders [1722]; Samuel Richardson, Pamela or, Virtue Rewarded [1740]; Henry Fielding, The History of Tom Jones, A Foundling [1749]. 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 Victorian Fiction
This course 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 spheres, class struggle, crime, deviance and policing, Victorian and late Victorian sexualities).

**ENG 211-219 Topics in Fiction: Postcolonial Fiction**
This course 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**
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**
The aim of this course 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, the course will focus on the critical engagement with the tradition of realism, an engagement which was determining for the development of both modern and postmodern Anglophone fiction. Through the study of selected novels written by some of the most significant novelists of the 20th and 21st centuries, students will have the opportunity to trace the debates around issues which in modern and contemporary criticism are considered fundamental: i.e., the function and reliability of representation, the narrative construction (and deconstruction) of individual and collective identities, the relation between history and story, the political and ideological stakes of metafictional discourse and, finally, the gradual erasure of the distinction between popular fiction and avant-garde writing.

**Linguistics Component**

**ENG 160 Introduction to Linguistics**
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**
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**
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**
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 350 EFL Methodology**
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.

**ENG 341 Psycholinguistics**
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 250-255 Topics in Phonetics and Phonology**
This group of courses comprises courses investigating 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**

This group of courses contains courses investigating 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**

These courses go beyond the introductions to word structure (morphology) and sentence structure (syntax). Emphasis will be placed on (1) practice in analyzing words and sentences and (2) elements of modern morphological and syntactic theories. Topic courses may, more specifically, address morphological theories, morphosyntax, issues in morphology and syntax, and syntactic theory. Among other topics, the 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. Different modern syntactic theories will also be explored (e.g. Categorial Grammar, Phrase-Structure Grammars, Optimality Theory).

**Translation Studies**

**ENG 170 Introduction to Translation Practice**

The course is intended to provide a general foundation in translating. The specific aim is to introduce students to the basic and essential issues involved in language transfer, such as lexical and syntactic equivalence, ambiguity, collocation, idiomaticity and comparative language usage. Moreover, students will be acquainted with the complexity of the translating task 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 offered not only by bilingual dictionaries, but also by electronic and printed reference works and aids (e.g., encyclopedias, glossaries, the internet and online databases). 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**

The aim of this course is to discuss translation as a problem-solving activity and as a decision-making process and to introduce students to the methodology needed to deal with the text in its micro- and macro-structural dimensions. 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). Each lesson will outline a set of related notions and problems on the basis of translation exercises. 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**

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. It will be based on selected readings from classical antiquity, the medieval and renaissance period, 18th and 19th century, through to modernity, postmodernity, and post-coloniality. 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**

Drawing on the theoretical background that students have acquired, 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. Attention will also be given to how different media affect transfer, and how translation is related to or is different from other modes of cross-cultural transfer such as travel writing and ethnography, mapping the boundaries and highlighting the role of translation in cultural exchange.

**ELECTIVE COURSES**

**A. Anglophone Literature and Cultural Studies**

Representations of Otherness in Early Modern England
Literature of the English Revolution
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
Feminist Literary 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

B. 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

C. 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 – Translation and Interpreting: Theory and Practice

Courses Descriptions

ENG 141 Introduction to Critical Thinking
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
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 (from films, music, television and literature to buildings, clothing, sports, piercing and other practices of body modification) will be analysed in relation to historical or geographical mappings, political and economic contexts, official and marginal discourses.

ENG 249 Frontiers of/in Europe
The concept of the border is crucial in understanding Europe. Since its inception, concept(s) of the European have been defined with respect to both its internal borders and its external limits. The course surveys mainly two areas: i) the expansion into space and the redefinition of the concept of Europe and European identities over time and in different contexts and; ii) the different criteria (climatic, anthropological, cultural, religious, linguistic, political, geopolitical) by which Europe-internal borders and frontiers have been drawn and redrawn. At the same time, it will reveal the bluriness and shifting character of such frontiers, rethinking them as transition zones within continua rather than faultlines. Towards this, a multidisciplinary approach will be adopted, drawing on geography, history, political science, sociology, linguistics, dialectology, culture theory and the history of ideas. A special emphasis will be given to case studies on the various frontiers of (incomplete) European expansion: the Polish plains and the Baltic area, Scandinavia, the Iberian peninsula, Cyprus, Southern Italy, North Africa, the Balkans and Turkey.

ENG 401 Discursive Construction of Identity in Europe
The concept of some sort of unitary European identity and/or ideal is anything but a novel concept, probably predating modernity and emerging from within the trauma of the Reformation. At the same time, Europe – a geographical area the scale of China and India – emerges as an intensely fragmented space, politically, linguistically, religiously, ideologically and culturally. The course examines the fundamental texts and the basic concepts behind the construction of both a European identity and the negotiation of local identities as they take shape and eventually incorporate into that of Europe. Necessarily multidisciplinary, it will employ tools from philosophy, history, political science, and culture theory and discourse analysis. The course will aim to expose and foreground the multiplicity and non-unitary character of European identities and the European identity and ideal itself. It will also examine the dynamics and the contribution of Europe’s ‘others’ and its minorities in the dialectics of constructing Europe and its many versions.

ENG 402 Europe and its Former Colonies
This course will explore the literary and cultural aspects of European colonialism, post-colonialism, and the impact this has had on the global exchange of peoples, languages, and cultures. A diversity of texts will be studied from the early modern to contemporary periods providing a diversity of perspectives of how Europe sees and is seen by the rest of the world. There will be 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. Topics to be studied may include early European travel literature and ethnography, contemporary European migrant literature, the discursive formation of Orientalism, the interface of modernity and colonialism, and that of postmodernity and postcoloniality, and processes of creolization in language and culture.

ENG 403 Seminar in Western Aesthetics
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 (as the subjects par excellence of theorein) and artists/practitioners.

ENG 405 Imaginaries of Europe in Contemporary Film and Fiction (20th Century)
This course will focus on contemporary fictional and filmic representations of Europe in its multiple historical actualizations and its past or emergent idealities. Discussions will centre around selected works by (among others) Milan Kundera, Julia Kristeva, Ohran 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 and Interpreting: Theory and Practice
The aims of this course are to expose students to the main topics of translation and interpreting and to clarify the similarities and differences of the two subfields of Translation Studies. The
theoretical aspects to be covered include among others: types and modes of translation and interpreting, culture and translation/interpreting (cultural specifics), approaches to translation strategies and techniques (methodology), the problem of equivalence vs. correspondence (context and situation), terminology and LSP-texts, the role of the language mediator (ethics, agency and communication theory), knowledge management and resources, text linguistics. The course could also include basic exercises in the translation of general or EU-texts and a basic practical introduction to consecutive interpreting.

**Elective Courses for the B.A. in European Studies**

ENG 501 - European Visual Culture  
ENG 502 - European Avant-gardes  
ENG 503 - Modernism in Europe  
ENG 528 - Romanticism and the Novel  
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 – Linguistic Minorities in Europe.
### 1st YEAR

#### 1st SEMESTER  
**ECTS**
- ENG 101 English for Academic Purposes 5
- ENG 110 Introduction to the Study of Fiction 5
- ENG 120 Introduction to the Study of Poetry 5
- ENG 160 Introduction to Linguistics 5
- ENG 102 Research Skills in the Humanities 5
- FL 1 Foreign Language 5 (30)

#### 2nd SEMESTER
- ENG 103 Academic Essay Writing 5
- ENG 130 Introduction to Drama 5
- ENG 161 Language and Mind 5
- ENG 170 Introduction to Translation Practice 5
- FL 2 Foreign Language 5
- UE 1 University Elective 5 (30)

**TOTAL:** 60

### 2nd YEAR

#### 3rd SEMESTER ANGLOPHONE LITERATURE AND CULTURE
- ENG 220-229 Topics in Fiction 5
- ENG 211-219 Topics in Poetry 5
- FL 3 Foreign Language 5
- UE 2 University Elective 5
- plus 2 out of:
  - ENG 270 Translation Methodology
  - ENG 250-255 Topics in Phonetics & Phonology of English 2X5 (30)

#### 3rd SEMESTER THEORETICAL & APPLIED LINGUISTICS
- ENG 240 Pedagogical Grammar 5
- ENG 250-255 Topics in Phonetics & Phonology of English 5
- FL 3 Foreign Language 5
- UE 2 University Elective 5
- plus 2 out of:
  - ENG 270 Translation Methodology
  - ENG 211-219 Topics in Fiction
  - ENG 220-229 Topics in Poetry 2X5 (30)

#### 3rd SEMESTER TRANSLATION STUDIES
- ENG 270 Translation Methodology 5
- FL 3 Foreign Language 5
- UE 2 University Elective 5
- plus 3 out of:
  - ENG 240 Pedagogical Grammar
  - ENG 250-255 Topics in Phonetics & Phonology of English
  - ENG 220-229 Topics in Fiction
  - ENG 211-219 Topics in Poetry 3X5 (30)

### 3rd YEAR

#### 4th SEMESTER ANGLOPHONE LITERATURE AND CULTURE
- ENG 211-219 Topics in Fiction 5
- ENG 220-229 Topics in Poetry 5
- UE 3 University Elective 5
- UE 4 University Elective 5
- plus 2 out of:
  - ENG 241 Sociolinguistics
  - ENG 256-259 Topics in Semantics & Pragmatics
  - ENG 260-269 Topics in Morphology & Syntax
  - ENG 280 Translation Theory 2X5 (30)

#### 4th SEMESTER THEORETICAL AND APPLIED LINGUISTICS
- ENG 241 Sociolinguistics 5
- ENG 256-259 Topics in Semantics 5
- ENG 260-269 Topics in Morphology & Syntax 5
- UE 3 University Elective 5
- UE 4 University Elective 5
- plus 1 out of:
  - ENG 211-219 Topics in Fiction
  - ENG 220-229 Topics in Poetry
  - ENG 280 Translation Theory 1X5 (30)

#### 4th SEMESTER TRANSLATION STUDIES
- ENG 280 Translation Theory 5
- UE 3 University Elective 5
- UE 4 University Elective 5
- plus 3 out of:
  - ENG 241 Sociolinguistics
  - ENG 256-259 Topics in Semantics 5
  - ENG 260-269 Topics in Morphology & Syntax
  - ENG 211-219 Topics in Fiction
  - ENG 220-229 Topics in Poetry 3X5 (30)

**TOTAL:** 60

#### 5th SEMESTER ANGLOPHONE LITERATURE AND CULTURE
- ENG 350 EFL Teaching Methodology 7.5
- ENG 330-339 Topics in Theatre 7.5
- ENG 500-539 Elective LIT 7.5
- plus 1 out of:
  - ENG 570-599 Elective LING
  - ENG 540-569 Elective TRA
  - ENG 340 Language Change & Development
  - ENG 390-399 Topics in Translation Studies 1X7.5 (30)

#### 5th SEMESTER THEORETICAL AND APPLIED LINGUISTICS
- ENG 350 EFL Teaching Methodology 7.5
- ENG 340 Language Change & Development 7.5
- ENG 540-569 Elective LING 7.5
### 5th Semester Translation Studies

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### 6th Semester Theoretical & Applied Linguistics

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Faculty of Humanities

DEPARTMENT OF FRENCH STUDIES AND MODERN LANGUAGES
ACADEMIC FACULTY

PRÉSIDENT
Yiannis E. Ioannou

VICE-PRÉSIDENTE
Fabienne H. Baider

PROFESSEUR
Yiannis E. Ioannou

PROFESSEURES ASSOCIÉES
Fabienne H. Baider
May Chehab

PROFESSEURS ASSISTANTS
Panagiotis Christias
Apostolos Lampropoulos
Efi Lamprou

LECTRICES
Evelien Chayes
Fryni Doa
PROGRAMME 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 programme de 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.).

OBTENTION DU DIPLÔME DE LANGUE ET LITTÉRATURE FRANÇAISES
Pour obtenir la Maîtrise de Langue et Littérature françaises, les étudiants devront avoir satisfait aux conditions suivantes:

ECTS
• 38 cours du cursus de Langue et Littérature françaises 200
• Cours optionnels pris hors cursus et Participation aux Colloques, Conférences et/ou Séminaires 25
• 3 cours de langue étrangère autre que le français 15
TOTAL 240

LANGUE ÉTRANGÈRE AUTRE QUE LE FRANÇAIS
Les étudiants qui se spécialisent en Études françaises doivent suivre trois cours (15 ECTS) d’une langue étrangère autre que le français.

COURS OPTIONNELS PRIS HORS CURSUS
Les étudiants du Département d’Études françaises sont tenus:
a) soit de suivre des cours optionnels (pris hors du cursus d’Études françaises et provenant d’au moins trois Facultés différentes) totalisant 25 ECTS
b) soit de suivre des cours optionnels (pris hors du cursus d’Études françaises et provenant d’au moins trois Facultés différentes) totalisant 23 ECTS et d’assister à des colloques, conférences et séminaires organisés par l’Université de Chypre totalisant 2 ECTS, sachant que 1 ECTS équivaut à 10 conférences et qu’une journée de colloque équivaut à 3 conférences.

PROGRAMME SECONDAIRE EN ÉTUDES FRANÇAISES
Le Département d’Études françaises et de Langues vivantes offre aussi un Programme secondaire. Pour obtenir le diplôme secondaire en Études françaises, les étudiants doivent réussir à des cours de leur choix pris dans le Département, et qui équivalent à 60 ECTS.

PROGRAMME SECONDAIRE EN ÉTUDES DE GENRE
(Voir Département d’Études anglaises)
Les cours du Département d’Études françaises et de Langues vivantes qui font partie de ce programme sont les suivants:
GAL 375 Discours publicitaire et performativité du genre
GAL 376 Discours métalinguistique: une sémantique génrée?
GAL 377 Le genre est-il une catégorie valable en analyse linguistique?

DESCRIPTIFS DES COURS CURSUS: LANGUE
GAL 179 Compréhension et Expression Orales et Écrites
Le cours s’organise autour de deux axes complémentaires: reconnaître les structures d’organisation d’un texte; produire à l’oral ou à l’écrit un énoncé correctement rédigé et logiquement structuré. Plus précisément:
a) comment aborder un texte (méthodologie de lecture et d’explication des textes),
b) méthodologie de recherche et de présentation de l’exposé,
c) cohésion du texte, connecteurs logiques,
d) méthodologie de l’argumentation,
e) défense de son point de vue à l’oral,
f) présentation des exposés oraux.
Les étudiants perfectionneront leurs connaissances de la langue et de la société française en étudiant des documents authentiques (articles de presse, documents vidéo). Ils sauront présenter et commenter - à l’écrit ou oralement - le contenu d’un ou plusieurs articles de presse; argumenter et défendre leur point de vue, à l’écrit (dans une argumentation) comme à l’oral (lors de débats); présenter un film français à la classe; faire une recherche sur un thème donné concernant la société française contemporaine et présenter à la classe le résultat de cette recherche lors d’un exposé oral.

GAL 105 De la Grammaire à la Linguistique I
Ce cours a pour but de faciliter le passage de la grammaire traditionnelle à la linguistique. Une bonne maîtrise de la grammaire scolaire est nécessaire. Les étudiants acquerront une connaissance approfondie des grands points de la grammaire du français contemporain et sauront les employer dans des productions écrites. Plus précisément, ils s’initieront à:

a) la notion de grammaire et de linguistique,
b) la morphologie flexionnelle et dérivationnelle,
c) le morphème et le lexème,
d) les parties du discours et les catégories de mots,
e) la phrase simple,
f) les subordonnées de la phrase complexe,
g) la phrase verbale,
h) les voix,
i) les modes,
j) les valeurs temporelles,
k) l’aspect.
Les étudiants sauront déterminer la nature et la fonction des différentes parties du discours. Ils auront maîtrisé la structure et les règles qui régissent le syntagme verbal et le syntagme nominal; développé des automatismes par des exercices de réinvestissement des connaissances acquises.

GAL 175 Techniques d’Expression I
Ce cours s’appuie sur les savoir-faire acquis lors du cours GAL 179. Il initie aux techniques de réduction de textes: du résumé, du compte rendu et de la synthèse, en travaillant toujours sur une gamme étendue de textes (littéraires, journalistiques, philosophiques, historiques, etc.).

a) présentation du résumé,
b) méthodologie de lecture des textes (révision),
c) repérage des idées essentielles et des articulations logiques du texte,
d) articulateurs logiques (révision),
e) techniques de réduction,
f) compte rendu,
g) synthèse.
Les étudiants sauront, grâce à des exercices progressifs, repérer l’organisation du texte - son système d’énonciation, ses champs lexicaux, ses articulations logiques, en sélectionner les idées essentielles, les reformuler sous une forme synthétique, en les articulant à l’aide de connecteurs logiques. Ils restitueront le contenu de textes divers sous la forme de résumés, de comptes rendus ou de synthèses.

GAL 106 De la Grammaire à la Linguistique II
Faisant suite au cours GAL 105, ce cours est consacré
a) à l’étude des phrases plus complexes;
b) aux définitions et aux principes fondamentaux de la syntaxe appliquée du français;
c) à la connaissance des différentes approches en syntaxe du français: notionnelle, fonctionnelle et distributionnelle.
Plus précisément: l’approche notionnelle et la révision des natures et des fonctions des éléments de la phrase complexe; les éléments subordonnés au nom; les éléments subordonnés au verbe; approche fonctionnaliste; approche distributionnaliste.
Les étudiants sauront reconnaître les natures et les fonctions de la grammaire traditionnelle; analyser des phrases complexes; analyser une phrase selon des points de vue syntaxiques différents: approches notionnelle, fonctionnelle et distributionnelle.

GAL 272 Français Universitaire I
Ce cours donne aux étudiants l’occasion de consolider les savoirs acquis dans le cours GAL 106. Il s’organise autour de deux axes:

a) le renforcement des structures morpho-syntaxiques déjà acquises et
b) l’introduction d’autres structures plus complexes.
Plus précisément, il vise: à utiliser des connaissances linguistiques en morphologie et en syntaxe; à passer de la syntaxe de la phrase à la construction du sens; et à mettre en œuvre des stratégies et des outils utiles à la production de textes bien composés.

GAL 274 Français Universitaire II
Ce cours renforce les savoirs et savoir-faire du cours GAL 275 par des exercices progressifs. Il s’organise autour de deux axes: la maîtrise des éléments de cohésion du texte et la rédaction de paragraphes cohérents. Les étudiants, à l’aide d’exercices guidés d’écriture et de réécriture, travaillent notamment la rédaction:

a) du paragraphe,
b) de l’introduction,
c) des transitions,
d) de la conclusion du commentaire composé et de la dissertation.
Les étudiants maîtriseront l’expression de la cause/de la conséquence, du but, de l’opposition, de la concession. Ils sauront rédiger de manière cohérente paragraphes, introductions, transitions et conclusions.

GAL 273 Techniques d’Expression II
Le travail d’analyse, qui se fait sur des textes de nature diverse (littéraires, journalistiques, philosophiques, historiques, etc.) constitue un exercice préparatoire au commentaire composé. Plus précisément:
Les étudiants sauront analyser un sujet de dissertation pour en trouver la problématique, organiser le fruit de leur réflexion ainsi que leurs connaissances littéraires et générales en un plan construit et pertinent, et rédiger la dissertation.

**CURSUS: LINGUISTIQUE GENERALE, LINGUISTIQUE ET CULTURE**

**GAL 100 Introduction à la Linguistique**
Les points traités seront les suivants:

a) introduction: le langage et les langues,
b) de l'écriture à la linguistique,
c) la linguistique est une science: définition, objet d'étude, en quoi est-ce une science?
d) langue, langage, parole,
e) norme et usage,
f) la communication,
g) les signes (notamment le signe linguistique: signifié, signifiant, référent),
h) la langue est un système (structures, outils d'analyse).

Les notions abordées dans ce cours constituent des concepts fondamentaux pour les cours de linguistique qui vont suivre. Les étudiants sauront définir la linguistique, expliquer qu'il s'agit d'une science à part entière et qu'elle possède un objet d'étude propre. Ils apprendront à définir les différents domaines de la linguistique (phonétique, phonologie, morphologie, syntaxe, sémantique, sociolinguistique), à connaître leur objet d'étude et à donner des exemples relatifs à chaque domaine.

**GAL 107 Phonétique**
Le cours portera sur les phénomènes prosodiques et articulatoires suivants: rythme, intonation, accentuation, syllabation, enchaînement, liaison, élision, voyelles, semi-voyelles, consonnes, correspondances sons-graphèmes. Ces phénomènes seront étudiés d'un point de vue théorique et pratique en faisant appel à divers supports (exercices au laboratoire et activités multimédias). Un important travail de pratique individuelle est exigé. Les points traités sont les suivants:

a) description articulatoire des sons du système français,
b) prosodie,
c) Alphabet Phonétique International,
d) transcriptions phonétiques,
e) travail de laboratoire: diagnostic de l'erreur et phonétique corrective de la communication orale.

Les étudiants maîtriseront les notions fondamentales de prosodie et de phonétique articulaire. Ils auront travaillé sur les voyelles orales, nasales et les consonnes (notamment les sons dont la prononciation est difficile pour l'apprenant chypriote). Ils sauront transcrire des paragraphes en français et en Alphabet Phonétique International; reconnaître et appliquer les règles de correspondance entre l'écrit et l'oral. Ils se seront aussi perfectionnés dans la prononciation du français.
GAL 200 Morphosyntaxe
Les points traités seront les suivants:

- morphologie, syntaxe, morphosyntaxe,
- rappels: Parties du discours, classes de mots et de morphèmes, axe paradigmatique, axe syntagmatique,
- unités d’analyse morphosyntaxique,
- critères de définition des parties du discours,
- constituants immédiats et analyse générativiste des phrases et syntagmes (structures arborescentes),
- groupe nominal: nom (genre et nombre) et déterminants,
- groupe verbal: temps et aspect.

Les étudiants sauront: identifier la nature des mots dans un texte; identifier la fonction des mots dans un texte; analyser un mot en morphèmes; analyser une phrase ou un syntagme en utilisant des structures arborescentes; utiliser des connaissances grammaticales au regard d’exemples réels et analyser un corpus donné à partir d’une consigne de nature morphosyntaxique; lire des extraits de grammaires de référence et les discuter de façon critique.

GAL 201 Syntaxe
Les points traités seront les suivants:

- grammaticalité/acceptabilité, énoncé/énonciation, syntagme/paradigme,
- opérations dans l’analyse syntaxique (commutation, effacement, insertion, déplacement, permutation),
- analyse en constituants immédiats,
- modalités de la phrase,
- juxtaposition, coordination, corrélation,
- subordination.

Le cours s’appuie sur des notions acquises dans le cours de morphosyntaxe.

Les étudiants maîtriseront les notions fondamentales en syntaxe (grammaticalité, acceptabilité, énoncé, énonciation, etc.). Ils sauront faire une analyse syntaxique de la phrase selon le modèle de la théorie distributionnaliste et en constituants immédiats. Ils maîtriseront enfin les problèmes syntaxiques relatifs à la subordination.

GAL 378 Lexicologie – Lexicographie
Les points traités seront les suivants:

- communication; sens; signe linguistique,
- lexicologie: types de dictionnaires; la définition dans les dictionnaires de langue,
- les analyses du sens lexical: analyse sémique ou componentielle, prototypes et stéréotypes,
- relations sémantiques: hyponymie et hyponymie, synonymie, antonymie, co-hyponymie,
- polysémie et homonymie, métaphore, métonymie, synécdoque,
- formation des mots.

Les étudiants maîtriseront les concepts élémentaires de la sémantique lexicale.

Ils sauront définir les différents types de dictionnaires et les différents types de définitions; expliquer les procédés de formation des mots.

GAL 301 Sociolinguistique
Les points traités seront les suivants:

- les notions de langue et usage,
- les notions de norme endogène et de norme exogène; de variable, de variété et de variation,
- l’enquête sociolinguistique: objectifs, outils, méthodologie,
- la variation géographique (langue, dialecte, géolecte, topolecte, parler et patois),
- l’exemple d’un topolecte particulier,
- la notion de sociolecte (prestige latent et prestige apparent), la notion de sexolecte,
- les situations de contact des langues; les notions de diglossie, de bilinguisme,
- les notions de créole, de pidgin et de saber,
- les aspects du système linguistique d’un créole francophone,
- la planification linguistique et son importance politique dans la francophonie.

GAL 302 Analyse Linguistique du Texte
Les points traités seront les suivants:

- la notion d’analyse du texte (analyse textuelle),
- les notions de texte et de discours,
- la textualité,
- de la phrase au texte (les rapports à l’intérieur de la phrase et en dehors de la phrase),
- la cohésion (entre autres, le phénomène de l’anaphore),
- la cohérence,
- la progression de l’information: thème et thème,
- les types de progression thématique.

Une bonne maîtrise des concepts abordés dans les cours de linguistique et de grammaire de première et deuxième années est nécessaire. Les étudiants sauront que les catégories grammaticales ne sont pas les mêmes que les catégories textuelles; des problèmes grammaticaux ‘traditionnels’ peuvent être abordés sous un éclairage nouveau; la mise en texte requiert des compétences particulières; l’ organisation cohérente d’un texte relève à la fois de connaissances grammaticales, de connaissances partagées, d’une introduction pertinente de l’information, d’une motivation cognitive. Ils sauront aussi repérer les règles textuelles qui organisent un texte et les appliquer dans leurs propres productions.

GAL 303 Phonologie
Les points traités seront les suivants:

- rappels: notions abordées dans le cours de GAL 107,
- phonétique articulatoire,
- phonétique combinatoire,
- interprétation phonologique de données,
- initiation à la théorie phonologique via deux modèles: structuraliste et générativiste.
Les étudiants connaîtront les bases élémentaires de la phonétique articulatoire, de la phonétique combinatoire (notamment le phénomène d’assimilation) et des phénomènes prosodiques. Ils sauront décrire les sons du français d’un point de vue articulatoire et connaîtront les oppositions phonologiques du système français. Ils sauront, sur la base d’un corpus et de consignes, résoudre des problèmes phonologiques en appliquant les principes et méthodes des deux modèles théoriques présentés dans le cours.

GAL 310 Langue, Histoire et Société
Les points traités seront les suivants:
 a) les familles de langues du monde, le groupe indo-européen,
b) la formation de la Romania et de l’Europe,
c) notions de substrat et de superstrat,
d) principes et lois de phonétique historique,
e) applications de ces lois aux voyelles: tri- et di-phtongaison, nasalisation,
f) application de ces lois aux consonnes: affrication et vocalisation,
g) évolution morphologique du syntagme nominal,
h) historique de l’orthographe,
i) tradition lexicographique.

Une bonne maîtrise des concepts des cours de linguistique de deuxième et troisième années est nécessaire. Les étudiants sauront reconnaître les changements qui ont affecté les différents domaines du système de la langue française; expliquer des évolutions phonologiques précises telles que la palatalisation d’une consonne ou la nasalisation d’une voyelle; expliquer des exemples d’évolution morphosyntaxique qu’a subie le latin vulgaire pour aboutir au français moderne; comprendre que les faits historiques importants, concurrents aux changements subis par le système qu’est la langue française, peuvent en partie expliquer l’évolution du système langagier; comprendre les singularités de la langue française mais aussi connaître les éléments communs aux autres langues latines.

GAL 311 Spécialisation I (Linguistique)
Ce cours est destiné aux étudiants qui veulent se spécialiser en linguistique. Sur la base des acquis de l’étude des différents niveaux d’analyse linguistique, est élaborée une étude à la fois transversale et approfondie. Cette étude est approfondie dans la mesure où elle se limite à un domaine particulier. Elle est transversale dans la mesure où les théories les plus reconnues dans ce domaine feront l’objet d’une présentation et d’une application.

GAL 312 Spécialisation II (Linguistique)
Ce cours est destiné aux étudiants qui veulent se spécialiser en linguistique. Sur la base des acquis de l’étude des différents niveaux d’analyse linguistique, est élaborée une étude à la fois transversale et approfondie. Cette étude est approfondie dans la mesure où elle se limite à un domaine particulier. Elle est transversale dans la mesure où les théories les plus reconnues dans ce domaine feront l’objet d’une présentation et d’une application.

CURSUS: CIVILISATION - HISTOIRE

GAL 132 Histoire de la Civilisation Française
Présentation d’un panorama des grands thèmes de la civilisation française, du XIe siècle à la fin du XIXe siècle, à savoir le Moyen Âge, la Renaissance, le Baroque, le Classicisme, les Lumières, le Romantisme, le Positivisme, le Spiritualisme et la Modernité. Le cours d’histoire de la civilisation française a pour objectif de familiariser les étudiants avec les moments, les noms et les caractères d’une histoire de la culture européenne, qui devient plus française en descendant les siècles, afin de leur fournir les points de repère indispensables aux cours de la suite de leur cursus. L’objectif est également de montrer, à la lumière de l’histoire et de la théorie de la culture, comment les arts, les techniques, la science, les idées et la littérature ne sont pas des disciplines cloisonnées mais interactives.

GAL 230 La France du XXe Siècle
1870-1914: L’installation de la IIIe République; La société française; Vie et pensée ouvrières; Révolution industrielle et développement économique; Les idées, l’art et la culture populaire; L’entre-deux-guerres; Les conséquences de la guerre; La crise des années 30; Conditions de vie; Vie intellectuelle et culturelle; Depuis la seconde guerre mondiale; La France dans la seconde guerre mondiale; La Ve République; Les trente glorieuses; La Ve République; La crise économique depuis les années 70; Histoires des mœurs, des idées et de l’art. Ce cours de civilisation française couvre la période de la proclamation de la IIIe République jusqu’aux années 1980. Les étudiants connaîtront pour chaque période l’histoire politique, sociale et économique ainsi que l’histoire des idées, de l’art et de la culture populaire. Ils comprendront l’évolution générale du pays en une France moderne, et sauront faire le lien entre les événements politiques, les mouvements sociaux, les découvertes scientifiques, les arts et les idées. Les étudiants sauront mener une recherche sur un sujet défini précis et présenter leur travail à la classe sous la forme d’un exposé oral.

GAL 330 D’Europe à l’Europe (Module Jean Monnet)
Le cours est une présentation historique et critique de la construction européenne. Après une brève introduction couvrant l’évolution du concept européen de l’Antiquité au XIXe siècle, et sur la base d’un corpus de textes littéraires ou programmatiques (Moschos, Podièbrad, Camões, Alexis Leger, Jean Monnet ...), sont présentés les jalons de la construction européenne à partir de 1950 ainsi que les institutions et politiques européennes actuelles. Thèmes transversaux: la théorie des climats; la christianitas; l’identité européenne. Cet enseignement conduit non seulement à mieux comprendre et critiquer le nouvel environnement politique, économique, social et culturel européen, mais encore, si besoin est, à pouvoir y prendre une part active.
CURSUS: HISTOIRE DE LA LITTERATURE ET LITTERATURE GENERALE ET COMPAREE

GAL 140 Histoire de la Littérature Française
Le cours présente, en progression chronologique, les grands courants de la littérature française et francophone du Moyen Âge au XXIe siècle, ainsi qu’une sélection de textes représentatifs. Parallèlement, il propose une première étude de la naissance et de l’évolution de certains genres littéraires en essayant de montrer les ruptures et les continuités les plus importantes de la littérature de langue française. Le cours a pour objectif de familiariser les étudiants avec les grands courants de la littérature française et francophone, dans un cadre à la fois chronologique et thématique.

GAL 240 Littérature Moderne (1870-1945)
Le cours se propose d’ébaucher un tableau de la littérature moderne, qui va de la fin du XIXe siècle jusqu’à la seconde guerre mondiale. Il commence par les moralistes, l’esprit fin de siècle et les impressionnistes, évoque ensuite l’humanisme et le mysticisme nouveaux, pour terminer par Proust. Pour ce qui est des lectures proposées, le cours met l’accent sur les éléments novateurs apportés par le mouvement surréaliste et sur ses présupposés psychanalytiques notamment. Le cours a pour objectif a) d’étudier les mouvements littéraires de la première moitié du XXe siècle français, afin de mieux rendre compte des textes nouveaux de la période étudiée et de l’interrogation morphologique et idéologique qui les accompagne et b) de mettre l’accent sur la modernité littéraire et de trouver des équivalences avec les littératures européennes de la même période.

GAL 241 Littérature Contemporaine (1945-)
Le cours a pour objectif de présenter les grandes lignes de l’histoire de la littérature française contemporaine et d’initier les étudiants à la prose de l’après-guerre à travers l’étude de textes majeurs, représentatifs notamment du mouvement existentieliste, de la littérature de l’absurde et du Nouveau Roman. Le cours se propose de montrer aux étudiants non seulement les textes de la littérature française contemporaine, mais aussi de leur faire établir les liens que celle-ci entretient avec la pensée française du XXe siècle: critique/théorie, historiographie, anthropologie, philosophie, etc.

GAL 242 Littérature Baroque et Classique
Le cours propose une étude détaillée de la littérature française du XVIIe siècle et met en relief la diversité de la création littéraire et artistique de cette période, notamment les oppositions et les complémentarités des esthétiques baroque et classique. Il insiste aussi sur plusieurs notions importantes comme la ‘préciosité’, le ‘burlesque’ et le ‘rationalisme’. Il approfondit aussi bien la poésie que les genres narratives; la littérature d’idées et le théâtre font l’objet d’une attention particulière. Le cours a pour objectif de montrer la complexité du rapport entre l’esthétique architecturale et littéraire. Étude des parallèles entre la production artistique baroque et certaines tendances dans la littérature française de 1600 à 1640 pour définir une “littérature baroque” où dominent les thèmes de la métamorphose, de l’inconstance, de la mort, de la fugitivité de la vie. On souligne l’importance du lien entre baroque et catholicité (Chédozeau) et on montre comment, dans le domaine littéraire, certaines formes de poésie ainsi que le théâtre peuvent être regardés comme le «genre baroque» par excellence, ce qui conduit à reconsidérer des classements antérieurs.

GAL 340 Littérature du XIXe Siècle
Le cours s’intéresse aux grands mouvements littéraires français qui ont vu le jour au XIXe siècle tels le romantisme, le réalisme, le naturalisme. Il analyse leur maturation, leurs grands moments et leur mutation dans une séquence qui vise à mettre en évidence des schémas thématiques et stylistiques transversaux: paysage, Dieu, fonction du poète, l’art pour l’art, sonnet, décadence, style indirect libre, etc. L’étude des grands mouvements littéraires du XIXe siècle français dans leur division en genres cherche à mieux rendre compte des genres nouveaux ou renouvelés au cours de la période étudiée et de l’interrogation qui les accompagne. Plus globalement, elle permet de mettre l’accent sur ce qui prépare la modernité littéraire.

GAL 341 Littérature du Moyen Âge
Ce cours porte sur les genres littéraires du Moyen Âge, comme les chansons de geste, la littérature religieuse, la littérature d’inspiration historique et politique (épopee, chronique), la littérature d’inspiration courtoise (lyrisme courtois, fin’amor, roman), la veine plaisante (satire, farce, fabliaux) et le lyrisme personnel. Le cours a pour objectif de présenter un aperçu général de la naissance de la littérature française: de mettre en évidence quelques topoi littéraires persistant jusqu’à nos jours: d’établir certains parallèles entre la littérature française et les autres littératures médiévales européennes.

GAL 342 Littérature de la Renaissance
Le cours se propose: de suivre l’évolution de la littérature française à travers la nouvelle vision anthropocentrique établie par l’humanisme; de faire valoir les rapports entre littérature et idéologie qui passent par le questionnement religieux, boulevrant et pénible, de la Réforme face au catholicisme; d’étudier les genres littéraires à la lumière de la redécouverte de l’Antiquité (formes poétiques fixes, rhétorique, lyrisme, textes moralistes) et au cours de leur métamorphose (le grotesque chez Rabelais, l’essai de Montaigne, etc.). Le cours a pour objectif d’apprendre aux étudiants à lire des textes anciens en mettant à profit les analyses du XXe siècle, déjà classiques, qui révèlent la modernité des grandes œuvres de la Renaissance (par exemple, le regard que porte Bakhtine sur Rabelais).

GAL 343 Littérature du XVIIe Siècle
Le cours met l’accent sur la force subversive des textes littéraires et philosophiques des Lumières et leurs liens avec les temps modernes. Dans le domaine littéraire sont notamment examinés les avatars du «genre» romanesque, qui naît avec l’ascension de la bourgeoisie: outre l’étude de son extrême variété (romans picaresques, d’apprentissage social, de mœurs, érotiques, exoticques, etc.) sont examinées ses différentes formes (épistolaire, autobiographies fictives ou réelles, récits d’apprentissage rétrospectifs, discours dialogués). Les Lumières engendrent aussi la démystification de la forme classique avec les intrusions d’auteur, les polyphonies, dédoublements narratifs et digressions qui culminent chez Diderot. Dans le domaine des idées, les notions fondamentales de la philosophie et de la science politique sont abordées, avec l’étude du déterminisme...
historique et du réformisme libéral (Montesquieu), la satire des institutions (Montesquieu et Voltaire), le pacte social (Rousseau), le sensualisme et le matérialisme (Condillac, Helvétius, D'Holbach). L'accent est également mis sur la force subversive de L'Encyclopédie. Le cours a pour objectif de former l'esprit critique par son spectacle: critique de la société, dérision des genres et critique du discours critique.

GAL 350 Littérature Comparée
Le premier volet de ce cours est théorique: définition de la littérature comparée et présentation de son évolution, de ses notions-clés (le motif, le thème, le mythe) et de ses points de repère théoriques (l'intertextualité, la réception, l'horizon d'attente, l'interculturelité, les géographies littéraires, etc.). Le second volet propose des textes qui se prêtent à une lecture comparatiste. Le cours a pour objectif de montrer comment la critique littéraire établit des relations de différence et de similitude entre les textes; de mettre en question l'«objectivité» et de dérision des genres et des discours différents (littéraire, philosophique, scientifique, etc.) et des systèmes sémiotiques distincts (littérature, cinéma, image, etc.).

GAL 351 Spécialisation I (Littérature)
Ce cours est destiné aux étudiants qui veulent se spécialiser en littérature. Sur la base des acquis de l'étude des littératures du Moyen Âge au XXIe siècle, de la littérature comparée et de diverses approches théoriques, est élaborée une étude à la fois transversale et approfondie. Ce cours vise une approche plus synthétique du phénomène littéraire, à travers des traitements divers d’un même thème, ou l’approfondissement d’une œuvre, d’un genre, d’une forme ou d’un courant littéraire.

GAL 352 Théories Littéraires
Ce cours dresse le panorama des théories littéraires des XXe et XXIe siècles: formalisme russe, structuralisme français, New Criticism, marxisme et sociologie de la littérature, herméneutique, esthétique de la réception, post-structuralisme, psychanalyse, New Historicism, déconstruction, gender and queer studies, études post-coloniales, écocrítique, critique spatiale, cybercritique, etc. Il présente aussi quelques-uns des textes fondateurs des théories contemporaines et met en évidence leurs présupposés épistémologiques et leurs implications. L’accent est mis sur la réflexion théorique elle-même plutôt que sur ses applications éventuelles. Le cours a pour objectif de sensibiliser les étudiants à l’idée que derrière toute idée reçue concernant la littérature, il y a une théorie implicite et contestable.

GAL 353 Spécialisation II (Littérature)
Ce cours est destiné aux étudiants qui veulent se spécialiser en littérature. Sur la base des acquis de l'étude des littératures du Moyen Âge au XXIe siècle, de la littérature comparée et de diverses approches théoriques, est élaborée une étude à la fois transversale et approfondie. Ce cours vise une approche plus synthétique du phénomène littéraire, à travers des traitements divers d’un même thème, ou l’approfondissement d’une œuvre, d’un genre, d’une forme ou d’un courant littéraire.

CURSUS: TRADUCTION-TRADUCTOLOGIE, DIDACTIQUE, COMMUNICATION

GAL 360 Didactique du FLE
En liaison avec le cours magistral, les Travaux dirigés prépareront les étudiants pour:

a) des séances d'observation de classe, suivies de rapports individuels et de discussions collectives,
b) une prestation d'enseignement dans une classe d'accueil, qui donnera lieu à une évaluation critique personnalisée (2 ECTS).

GAL 361 Théories de la Traduction
Ce cours présente d’abord une courte histoire de la réflexion traductologique (théories prescriptives, descriptives et prospectives), puis quelques approches contemporaines comme celles de R. Jakobson, W. Benjamin, M. Blanchot, G. Mounin, J. R. Ladmiral, G. Steiner, R. Amossy, A. Berman, H. Meschonnic, P. Riceur, U. Eco. Il présente ensuite quelques lieux communs concernant l’activité de la traduction (les notions de la fidélité, de la lisibilité et de la transparence, le mythe de Babel, la traduction herméneutique, etc.). Enfin, il propose à titre indicatif des travaux sur des textes d'obédience généraliste. Le cours a pour objectif de présenter quelques aspects importants du phénomène de la traduction et de fournir aux étudiants les connaissances théoriques qui leur seront nécessaires pour le passage à la pratique de la traduction.

GAL 362 Pratiques de la traduction
Ce cours propose de retrouver, à partir d'exercices de traduction (versions et thèmes), la typologie des erreurs les plus fréquentes en traduction, dans le couple particulier français-grec. Il consiste surtout en des travaux pratiques sur une sélection de textes littéraires (prose et poésie), non littéraires (textes de spécialités: médecine, informatique, biologie, anthropologie, archéologie), ainsi que sur des textes publicitaires et journalistiques. Il met l’accent sur quelques points particuliers tels que la traduction des métaphores, des néologismes et de la terminologie. Le cours a pour objectif de faire prendre conscience aux étudiants des mécanismes et pièges du passage d’une langue et d’une culture à une autre (automatismes, interférences, codes culturels, etc.).
COURS IN GERMAN STUDIES

GAL 101 German for Philologists
This course is for advanced learners of the German language (level B1 / B2), especially for students who will participate in the Erasmus Programme, plan to do research or study in German-speaking countries or have to work with German texts or sources for their master or doctoral thesis.

The course concentrates on reading comprehension, but text production and listening comprehension will be taught as well. These skills will be taught in the context of academic and scientific language.

The course focuses on understanding characteristic language structures and scientific terminology. Students will practice their reading comprehension skills by analysing different academic texts from various disciplines within the humanities.

In this course students will be introduced to important methods of scholarly work (e.g., researching, excerpting, summarizing, paraphrasing) and they will learn basic skills for academic writing in German (bibliography, quotation, footnotes, textual editing).

According to the interest of the students, practical aspects of university life in German-speaking countries will be covered.

The course is taught in German.

GAL 108 Oral Communication

This advanced course, designed for students with a command of German on a threshold or vantage level, aims to strengthen oral communication skills. Both listening comprehension as well as spoken production will be practiced. Students will learn how to interact and participate in discussions on a variety of subjects (culture, politics, society). The lessons will enable students to a) follow a line of argumentation as well as an exchange of arguments, b) make statements and comments about speeches and dialogues, c) draw conclusions, d) summarize and analyze the content of discussions, and e) put forward and defend arguments of their own. The course is taught in German.

GAL 221 German Film / Films on Germany

This interdisciplinary course has a dual focus: On the one hand it serves as an introduction to film-studies in general (e.g., how to read a film); on the other hand it explores selected topics in German History (World War II, division and reunification of Germany) and literature. Screenings will include films by German and foreign directors of different generations (e.g., Fassbinder, Reed, Petersen), but with a focus on contemporary directors (e.g., Akin, von Donnersmark, Becker, Wortmann). The course is taught in English.
# PROGRAMME D'ÉTUDES FRANÇAISES ET DE LANGUES VIVANTES

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<td>200 Morphosyntaxe</td>
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<td>240 Littérature moderne (1870-1945)</td>
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<td>342 Littérature de la Renaissance</td>
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<td>343 Littérature du XVIIIe siècle</td>
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<td>361 Théories de la traduction</td>
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<td>370 Méthodologie de la recherche</td>
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Langue et Linguistique générale
GAL 304 Sémanistique lexicale
GAL 305 Pragmatique
GAL 306 Psycholinguistique
GAL 307 Phonostylistique
GAL 308 Neurolinguistique
GAL 309 Histoire de la linguistique
GAL 371 Atelier d’écriture
GAL 372 Variétés de français
GAL 373 Sémanistique et grammaire
GAL 374 Linguistique appliquée à la littérature

Linguistique et culture
GAL 314 Langue, Idéologie, Espace
GAL 315 Discours, Culture et Politique
GAL 316 Langue et pouvoir
GAL 317 Discours et identité
GAL 318 Praxéologie et pragmatique topique
GAL 319 Pidgins et Créoles

Civilisation - Histoire
GAL 320 Des frères Lumière à Amélie Poulain
GAL 321 Trans-cinémas
GAL 322 La chanson française : histoire, morphologie, poétique
GAL 323 Eros : textes et images
GAL 331 Histoire de l'édition française
GAL 332 Histoire de l'art français
GAL 333 Du texte à l'image et de l'image au texte
GAL 338 Écrire l’histoire, écrire une histoire
GAL 339 L’interculturalité en Europe

Histoire de la littérature
GAL 344 La dramaturgie française
GAL 345 Le théâtre français d’avant-garde au XXe siècle: œuvres et dramaturgie
GAL 346 Littérature arabe d’expression française
GAL 347 Littérature créole d’expression française
GAL 348 La critique génétique
GAL 349 Un auteur, une œuvre
GAL 359 Franco-Cypria : histoires et littératures croisées

Littérature générale et comparée
GAL 354 Parallittératures
GAL 355 Écritures obliques : ironie, pastiche, parodie, humour
GAL 356 Littératures postcoloniales
GAL 357 Thèmes littéraires méditerranéens
GAL 358 Attides, Labdacides et les autres : le monde grec dans le théâtre français

Traduction-Traductologie, Didactique, Communication
GAL 363 Traduction et herméneutique
GAL 364 L’Europe : mosaïque de langues
GAL 365 Pédagogie de l’apprentissage (apprenants chypriotes)
GAL 366 Acquisition d’une seconde langue
GAL 367 La communication publicitaire
GAL 368 Sémiotique et Sémantique
GAL 369 La technologie appliquée à l’enseignement des langues: théorie et pratique

Interdisciplinarités
GAL 380 La poésie scientifique
GAL 381 Du monde clos à l’univers infini
GAL 382 Littératures, Architectures, Espaces
GAL 383 Géographies littéraires
GAL 384 Littérature, Informatique, Cybercultures
GAL 385 Études de genre
GAL 386 Les corps du texte
GAL 387 Littérature et psychanalyse
GAL 388 Littérature et folie
GAL 389 Études culturelles

Histoire des idées, philosophie, poétique
GAL 390 Philosophie du langage
GAL 391 Littérature et philosophie
GAL 392 L'archipel de la pensée européenne
GAL 393 La pensée française du XXe siècle
GAL 394 L’historiographie française des Lumières au XXe siècle
GAL 395 La Modernité
GAL 396 Pré-socratiques et postmodernes
GAL 397 Auto-bio-graphie(s)
GAL 398 Poésie - création
GAL 399 Les genres littéraires : traditions et perspectives

Courses in German Studies (5 ECTS)
GAL 101 German for Philologists
GAL 108 Oral Communication
GAL 221 German Film/Films on Germany
MODERN LANGUAGES AND EUROPEAN STUDIES PROGRAMME
LANGUES VIVANTES ET ÉTUDES EUROPÉENNES MODERNE SPRACHEN UND EUROPASTUDIEN

This four-year interdisciplinary programme leads to the B.A. in Modern Languages and European Studies. It is coordinated by the Department of French Studies and Modern Languages.

OBJECTIVES AND STRUCTURE OF THE PROGRAMME

The courses cover a broad knowledge base. Students will acquire a better understanding of contemporary Europe and its relations with the rest of the world.

The programme’s main objectives are:

a) to initiate students in a critical reflection on Europe
b) to give solid training in two European languages.

The programme includes:

a) Core courses in European history, literature and civilisation, and courses in social sciences, economics and law. Core courses are taught in Greek.

b) Students will elect one of three language/civilisation units: English-French; English-German; or French-German.

Students with a B.A. degree in Modern Languages and European Studies may continue toward a higher degree in European political, social, economics, and humanities studies or move to professional careers (private sector, European institutions, public administration, diplomacy, cultural and charitable organisations).

DEGREE REQUIREMENTS

Successful completion of 240 ECTS:

• Required courses (includes core courses and one language/civilisation unit)  207 ECTS

• Elective courses (see list at the end of course descriptions)  33 ECTS

TOTAL  240 ECTS

MINOR IN MODERN LANGUAGES AND EUROPEAN STUDIES

Successful completion of 60 ECTS:

• Language courses (from those taught in the 5th and the 6th semesters, in two of the three languages offered)  20 ECTS

• Core courses  40 ECTS

TOTAL  60 ECTS

COURSE DESCRIPTIONS

I. LANGUAGE AND CIVILISATION COURSES

Courses taught in English

EUR/ENG 101 Academic Communication in English
(see ENG 108, Department of English Studies)

EUR/ENG 141 Introduction to Critical Thinking
(see ENG 141, Department of English Studies)

EUR/ENG 103 Academic Essay Writing
(see ENG 103, Department of English Studies)

EUR/ENG 239 Introduction to Cultural Criticism
(see ENG 239, Department of English Studies)

EUR/ENG 249 Frontiers of/in Europe
(see ENG 249, Department of English Studies)

EUR/LAN 202 Public Speaking
(see Language Centre)

EUR/ENG 280 The English of European and International Relations
(see Language Centre)

EUR/ENG 401 Discursive Construction of Identity in Europe
(see ENG 401, Department of English Studies)

EUR/LAN 283 Business English
(see Language Centre)

EUR/ENG 402 Europe and its Former Colonies
(see ENG 402, Department of English Studies)

EUR/ENG 403 Seminar in Western Aesthetics
(see ENG 403, Department of English Studies)

EUR/ENG 280 Translation Theory
(see ENG 333, Department of English Studies)

EUR/ENG 405 Imaginaries of Europe in Contemporary Film and Fiction (20th Century)
(see ENG 405, Department of English Studies)

EUR/ENG 406 Translating and Interpreting: Theory and Practice
(see ENG 406, Department of English Studies)
Livrent des langues européennes dominantes entre elles.

basque espagnol, de Malte, de même que les batailles que se

d'étudier des cas précis tels que celui de la Belgique, du pays

identitaires face à l'ouverture vers le monde. Le cours propose

planétaire aux profits, il faut aussi se garder des réflexes

circulation des capitaux, des biens et des services et de la course

celui qui reste pour «faire société» à l'heure de la libre

se garder de trop facilement étiqueter de «nationaliste »

l'attachement des peuples à leur langue lorsque c'est parfois tout

linguistiques sont en même temps des enjeux politiques. S'il faut

l'Holocauste, du racisme et des effets pervers de la raison, de

l'asservissement à la technique, des dérives totalitaires de l'autre.

L'Europe, qui a célébré ses cinquante ans en 2007, s'est-elle

construite harmonieusement ? Le cours se propose d'étudier non

les réussites, mais les obstacles que l'Europe a dû surmonter, les

pièges qu'elle a évités, les crises qu'elle a traversées et qu'elle

risque donc d'avoir de nouveau à affronter. L'intention est aussi

de permettre aux étudiants de connaître tout l'héritage

européen, et non seulement le mythe d'une culture européenne

unifiée et triomphante dans le monde. Il faut par exemple savoir

que c'est la même civilisation qui est à l'origine de la démocratie,

de la raison, de la science d'un côté, et des génocides, de

l'Holocauste, du racisme et des effets pervers de la raison, de

l'asservissement à la technique, des dérives totalitaires de l'autre.

Courses taught in French

EUR/LAN 108 French Intermediate Level II
(see LAN 108 French, Language Centre)

EUR/GAL 179 Compréhension et Expression
Orales et Écrites
(see GAL 179, Department of French Studies and Modern Languages – French Studies Programme)

EUR/GAL 175 Techniques d’Expression I
(see GAL 175, Department of French Studies and Modern Languages – French Studies Programme)

EUR/GAL 272 Français Universitaire I
(see GAL 272, Department of French Studies and Modern Languages – French Studies Programme)

EUR/GAL 273 Techniques d’Expression II
(see GAL 273, Department of French Studies and Modern Languages – French Studies Programme)

EUR/GAL 274 Français Universitaire II
(see GAL 274, Department of French Studies and Modern Languages – French Studies Programme)

EUR/GAL 282 La Bataille des Langues en Europe

Le cours a pour objectif de montrer la manière dont les enjeux linguistiques sont en même temps des enjeux politiques. S'il faut se garder de trop facilement étiqueter de «nationaliste » l'attachement des peuples à leur langue lorsque c'est parfois tout ce qui leur reste pour «faire société» à l'heure de la libre circulation des capitaux, des biens et des services et de la course planétaire aux profits, il faut aussi se garder des réflexes identitaires face à l'ouverture vers le monde. Le cours propose d'étudier des cas précis tels que celui de la Belgique, du pays basque espagnol, de Malte, de même que les batailles que se livrent des langues européennes dominantes entre elles.

EUR/LAN 281 Le Français des Relations Européennes et internationales
(voir Language Centre)

EUR/GAL 334 – L’Europe Difficile (Module Jean Monnet)
L'Europe, qui a célébré ses cinquante ans en 2007, s'est-elle construite harmonieusement ? Le cours se propose d'étudier non les réussites, mais les obstacles que l'Europe a dû surmonter, les pièges qu'elle a évités, les crises qu'elle a traversées et qu'elle risque donc d'avoir de nouveau à affronter. L'intention est aussi de permettre aux étudiants de connaître tout l'héritage européen, et non seulement le mythe d'une culture européenne unifiée et triomphante dans le monde. Il faut par exemple savoir que c'est la même civilisation qui est à l'origine de la démocratie, de la raison, de la science d'un côté, et des génocides, de l'Holocauste, du racisme et des effets pervers de la raison, de l'asservissement à la technique, des dérives totalitaires de l'autre.

EUR/GAL 337 Récits de Colonisation et d’(Im)migrations Européennes

EUR/LAN 284 Le Français des Affaires
(Voir Language Centre)

EUR/GAL 361 Théories de la Traduction
(see GAL 361, Department of French Studies and Modern Languages – French Studies Programme)

EUR/GAL 321 Trans-Cinémas
Ce cours relève des études filmiques ainsi que de la théorie de la culture. D’un côté, il se propose comme objectif de montrer différentes façons dont la critique cinématographique et l’histoire des idées établissent les relations de différence et de similitude entre ‘textes’. Il met aussi en question l’objectivité et l’évidence des divisions entre les cinématographies nations, les genres filmiques, mais aussi entre les discours différents (littéraire, historique, philosophique, scientifique, etc.) portant sur les mêmes questions. De l’autre côté, le cours propose aux étudiants un thème principal et essaie une lecture comparative de films appartenant à des genres et à des traditions cinématographiques différentes.

EUR/GAL 362 Pratiques de la Traduction
(see GAL 362, Department of French Studies and Modern Languages – French Studies Programme)

Courses taught in German

EUR/LAN 073 Deutsch für Fortgeschrittene Anfänger
(see LAN 073 German – Intermediate Level II, Language Centre)

EUR/GAL 108 Mündliche Kommunikation
Dieser Kurs für fortgeschrittene Deutschlerner auf Mittelstufenniveau (B1 / B2) hat zum Ziel, die mündlichen Kommunikationsfähigkeiten der Studenten zu fördern. Sowohl Hörverstehen als auch mündliche Sprachproduktion werden durch den Einsatz verschiedener Unterrichtsformen trainiert und verbessert. Die Studenten lernen, sich an Diskussionen über eine
Vielzahl von Themen (Kultur, Politik, Gesellschaft) zu beteiligen und untereinander zu interagieren. Der Kurs befähigt die Studenten a) zu argumentieren und Argumente auszutauschen, b) den logischen Aufbau eines Textes zu erfassen, c) zu Reden und Dialogen Stellung zu nehmen und sie zu kommentieren, d) Schlussfolgerungen zu ziehen, e) den Inhalt von Diskussionen zusammenzufassen und zu analysieren sowie f) eigene Argumente vorzubringen und zu verteidigen.

**EUR/GAL 109 Schriftliche Ausdruckstechniken**

**EUR/GAL 101 Deutsch für Philologen**

**EUR/GAL 180 Deutsch für Akademiker I**

**EUR/GAL 280 Deutsch für Akademiker II**

**EUR/LAN 282 Deutsch für Europäische und Internationale Beziehungen**
(siehe, Sprachenzentrum)

**EUR/GAL 336 Jean Monnet-Lehrmodule**
The course description will be specified later.

**EUR/LAN 285 Wirtschaftsdeutsch**
(siehe, Sprachenzentrum)

**EUR/GAL 363 Übersetzungstheorien**

**EUR/GAL 363 Europäisches Kino**
The course description will be specified later.

**EUR/GAL 364 Praxis des Übersetzens Deutsch-Griechisch**
The course description will be specified later.

**II. CORE COURSES**

**Courses taught in Greek**

**EUR/HIS 181 Introduction to European Studies (1789-1918)**
(see HIS 181, Department of History and Archeology)
The course is offered during both semesters. It includes tutorials.

**EUR/ECO 111 Principles of Microeconomics**
(see ECO 111, Department of Economics)

**EUR/HIS 130 European Countries in Geopolitical Context**
(see Department of History and Archeology)
EUR/HIS 285 Europe (1918-1945)
(see HIS 285, Department of History and Archeology, Prerequisite EUR/HOS 181)

EUR/ECO 121 – Principles of Macroeconomics
(see ECO 121, Department of Economics)
This course includes tutorials.

EUR/BMG 075 The Languages of Europe
(see BMG 075, Department of Byzantine and Modern Greek Studies)

EUR/HIS 281 European Economic History I (16th-20th century)
(see HIS 281, Department of History and Archeology)

EUR/HIS 290 History of the European Idea
(see HIS 290, Department of History and Archeology)

EUR/SPS 266 The Political System of the European Union
(see SPS 266, Department of Social and Political Sciences)

EUR/SPS 156 European Integration
(see SPS 156, Department of Social and Political Sciences)

EUR 391 Intellectual Movements in Europe: Renaissance, Reform, Enlightenment
While the great movements between 1400 and 1800 – Renaissance, Reformation and Enlightenment – are considered cradled in, respectively, Italy, Germany and France, their reality was pan-European. A multiplicity of thinkers and written works brought about incalculable changes. Among these, Humanism placed the individual in a new system of values, social and political. Medieval authority with its concept of heteronomy met increasing opposition from emancipatory concepts and movements that often derived from Greek and Roman philosophy, literature and art. New concepts of the cosmos and the world emerged, with a strong anthropocentric predilection. The course will study deep changes, many of them slow, in philosophical, literary, political and social dimensions.

SPS 362 Politics of the European Union
(see SPS 362, Department of Social and Political Sciences)

EUR/LAW 171 European Legal History
(see LAW 171, Department of Law)

EUR 350 European Literatures
This course stems from the fields of Comparative Literature and Literary Theory. The first part is theoretical and offers a brief account of fundamental concepts such as literary history, literary genres, reading and reception, literary canon, national literature, major and minor literatures, comparative literature and literary geographies. The second part focuses on more specific issues such as the establishment of national literatures in Europe, the emergence of the ‘great authors’ (Homer, Dante, Shakespeare, Goethe, etc.), the appearance and disappearance of certain texts in the local literary canons, the creation of a European literary corpus, the importance of this corpus in the ideological colonization of the non-Western world, as well as its problematization within the postcolonial paradigm and its consequences on the overall readability of non-European literary production. The aim of this course is to examine to what extent it is possible to talk about a unique European literature and to raise the complex issue of European literary networks and the establishment of the very idea of Europe.

EUR/HIS Contemporary European Art
The course description will be specified later.

EUR/LAW 201 European Union Law I
(see LAW 201, Department of Law)

EUR/ECO 316 Economics of the European Union
(see ECO 316, Department of Economics)
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<td>Compréhension et expression orales et écrites</td>
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<td>EUR/HIS 181</td>
<td>Introduction to Modern European History (1789-1918)</td>
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<td>Countries of Europe and their geopolitical position</td>
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<td>EUR/HIS 285</td>
<td>Europe 1918-1945</td>
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<td>La Bataille des langues en Europe</td>
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<td>ECTS for the semester</td>
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*Note: Students must select a combination of two out of the three languages offered by the Programme: English-French / English-German / French-German.

ECTS for the semester: 30
Programme Total ECTS: 240

5th semester

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<tr>
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<tbody>
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<tr>
<td>FRANÇAIS EUR/LAN 281</td>
<td>Le français des relations européennes et internationales</td>
<td>4</td>
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<td>DEUTSCH EUR/LAN 282</td>
<td>Deutsch für Europäische und Internationale Beziehungen</td>
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<tr>
<td>EUR/ENG 401</td>
<td>Discursive Construction of Identity in Europe</td>
<td>5</td>
</tr>
<tr>
<td>EUR/GAL 334</td>
<td>L'Europe difficile (Module Jean Monnet)</td>
<td>5</td>
</tr>
<tr>
<td>EUR/GAL 336</td>
<td>Jean-Monnet-Lehrmodule</td>
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<tr>
<td>EUR/SPS 362</td>
<td>Intellectual Movements in Europe: Humanism, Reform, Enlightenment</td>
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6th semester

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<td>Wirtschaftsdeutsch</td>
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<td>EUR/LAN 201</td>
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<td>EUR/SPS 362</td>
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<td>EUR/ENG 403</td>
<td>Seminar in Western Aesthetics</td>
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7th semester

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</tr>
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<td>EUR/ENG 405</td>
<td>Imaginaries of Europe in Contemporary Fiction and Film</td>
<td>6</td>
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<tr>
<td>FRANÇAIS EUR/GAL 361</td>
<td>Théories de la traduction ou</td>
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<td>EUR/GAL 321</td>
<td>Trans-cinémas</td>
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<tr>
<td>DEUTSCH EUR/GAL 363</td>
<td>Übersetzungstheorien oder</td>
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<td>EUR/GAL 332</td>
<td>Europäisches Kino</td>
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<td>EUR/LAW 201</td>
<td>European Union Law</td>
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<td>EUR/ECO 316</td>
<td>Economics of the European Union</td>
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8th semester

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<td>Translating and Interpreting: Theory and Practice</td>
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<td>FRANÇAIS EUR/GAL 362</td>
<td>Pratiques de la traduction</td>
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<td>DEUTSCH EUR/GAL 364</td>
<td>Praxis des Übersetzens Deutsch-Griechisch</td>
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Programme Total ECTS: 240
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<td>EUR/ENG 502</td>
<td>European Avant-gardes</td>
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<td>EUR/ENG 503</td>
<td>Modernism in Europe</td>
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<td>EUR/ENG 506</td>
<td>European Modern Drama</td>
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<td>EUR/ENG 508</td>
<td>Narratives of Home and Homelessness in Europe</td>
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<td>EUR/ENG 528</td>
<td>Romanticism and the Novel</td>
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<td>EUR/ENG 532</td>
<td>The Literature of the Uncanny</td>
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<td>Language Contact in Europe</td>
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<td>EUR/GAL 110</td>
<td>Oral expression techniques (in German)</td>
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<td>Archipel de la pensée européenne</td>
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<td>EUR/GAL 430</td>
<td>L'Europe des religions</td>
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<tr>
<td>EUR/GAL 431</td>
<td>L'Europe des utopies</td>
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<tr>
<td>EUR/GAL 480</td>
<td>L'Europe : centres et réseaux</td>
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<td>EUR/GAL 481</td>
<td>Communication et interculturalité en Europe</td>
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<tr>
<td>EUR/GAL 482</td>
<td>L'imaginaire de l'espace européen : métropoles, territoires, mers</td>
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<tr>
<td>EUR/GAL 490</td>
<td>Pensée française : carrefours européens et échanges transatlantiques</td>
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<td>EUR/HIS 134</td>
<td>Introduction to Medieval History</td>
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<tr>
<td>EUR/SPS 261</td>
<td>Comparing Political Systems</td>
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<td>EUR/SPS 281</td>
<td>Political Theory II</td>
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<td>Sociology of Minority Groups</td>
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<td>European Economic Integration in the New Countries</td>
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<td>EUR/SPS 361</td>
<td>Cyprus and the European Union</td>
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<td>EUR/SPS 395</td>
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<td>EUR/SPS 396</td>
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<td>EUR/SPS 420</td>
<td>European Unification &amp; European Culture</td>
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<td>EUR/SPS 461</td>
<td>European Union Special Issues</td>
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<td>EUR/SPS 462</td>
<td>Common Policies of the European Union</td>
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<td>EUR/SPS 466</td>
<td>The European Union as a Global Power</td>
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<td>EUR/LAW 202</td>
<td>European Union Law II</td>
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<td>EUR/ECO 325</td>
<td>International Economic Relations</td>
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<td>EUR/ECO 416</td>
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<td>EUR/TUM 456</td>
<td>Turkey and the European Union</td>
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<td>EUR/PHIL 103</td>
<td>Modern European Philosophy</td>
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<tr>
<td>EUR/PHIL 285</td>
<td>Scientific Method</td>
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ACADEMIC FACULTY

CHAIRPERSON
Martin Strohmeier

VICE CHAIRPERSON
Ioannis Theocharides

PROFESSORS
Niyazi M. Kızilyürek
Martin Strohmeier
Ioannis Theocharides

ASSOCIATE PROFESSORS
Christiane Bulut
Matthias Kappler
Thomas A. Sinclair

ASSISTANT PROFESSORS
Börte Sagaster
Theocharis Stavrides

LECTURER
Michalis N. Michael
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

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 is a prerequisite for registration in the following general introductory courses (14 courses, totaling 99 ECTS).

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 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 four compulsory courses in each Direction, totaling 28 ECTS, and seven restricted elective courses, totaling 35 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 ...”. Students of both Directions are entitled to take up to three restricted elective courses 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 up to three (15 ECTS).

The Department has the discretion to recognise as restricted elective courses, in its own programme, courses from another department of the same faculty, or courses from a department of a different faculty. The number of such restricted elective courses is limited to two. The undergraduate dissertation is considered a restricted elective course which counts for 10 ECTS (5 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:

<table>
<thead>
<tr>
<th>Courses</th>
<th>ECTS</th>
</tr>
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<tr>
<td>Core Courses (Language/ General Introductory Courses)</td>
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</tr>
<tr>
<td>Direction</td>
<td>11</td>
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<tr>
<td>Foreign Language Elective Courses</td>
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<td>Elective Courses</td>
<td>5</td>
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<tr>
<td>TOTAL</td>
<td>39</td>
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DESCRIPTION OF COURSES

Compulsory courses

and direction compulsory courses

TUM 100 Grammar and Syntax I
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 "Language Exercises I". It aims to give students a basic level of grammar and syntax.

TUM 101 Grammar and Syntax II
The course is a continuation of the course "Grammar and Syntax I" and is offered to students of the Department who have successfully completed the courses "Grammar and Syntax I" and "Language Exercises I". In the framework of the course, and bearing in mind the needs of the course "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
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 "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
The course is a continuation of the course "Language Exercises I" and is offered to those students of the Department who have successfully completed the courses "Language Exercises I" and "Grammar and Syntax I". In the framework of the course and bearing in mind the needs of the course "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
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
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
The course is a continuation of the course "Grammar and Syntax II" and is offered to those students of the Department who have successfully completed the courses "Grammar and Syntax II" and "Language Exercises II". In the framework of the course and bearing in mind the needs of the course "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 206 Language Exercises
The course is a continuation of the course "Language Exercises II" and is offered to those students of the Department who have successfully completed the courses "Language Exercises II" and "Grammar and Syntax II". In the framework of the course and bearing in mind the needs of the course "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
The course is offered to those students who have successfully completed the courses "Grammar and Syntax III" and "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
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
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 History of Modern Turkish Literature
The greater part of this course concentrates on a survey of Turkish literature from the mid-19th century (Tanzimat and Servet-Ê Funun literature), on the transition to more purely Turkish styles (Genç Kalemler and Millî Edebiyat), on Köy EdebiyatÊ (in the 1950s), and on the decades of the 1940's to
1960’s and up to the literature of the present. Both poetry and prose are included. From each period and literary movement a simple text, either a short story or a poem, is read. In the analysis of these texts factors such as the language, literary “register”, content and historical and social context are examined.

TUM 250 History of Ottoman Empire
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 then goes on to examine the principal institutions of the latter period, the decline which took place in the 16th to 18th centuries, the causes of this decline and the empire’s territorial shrinkage. It finishes with the reforms of the late 18th to the early 20th century, particularly those of the Tanzimat (1839-78) and the consequent changes in Ottoman institutions.

TUM 260 History of Turkey
An introduction to the history of the Turkish Republic from its foundation to the present day. The essential subject of this course is the genesis of the Turkish republic, the formation of the Turkish nation-state and political developments in Turkey during the period of single-party rule. The course thus focuses on the actions of the Republican People's Party and on the development of Kemalist ideology as that of the state. It includes the social and political reforms of Mustafa Kemal and political development in this and other spheres up to the Second World War, the transition to the multiparty system in 1950, the principal political developments up to the present day (in particular the military coups of 1960, 1971 and 1980 and developments in foreign policy) and the changes in Turkish society in the same period.

TUM 300 Language of the Press
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)
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
(Linguistics and Literature Direction)
A specialised course in 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 are the sociolinguistic aspects of Turkish.

TUM 303 Translation Turkish-Greek
The course is offered to those students who have successfully completed the course "Translation Turkish-Greek". Students practise 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
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
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 Ottoman Literature
To take this course, students must first have passed the course "Ottoman Language" (TUM 230). This course starts with an introductory survey of Ottoman literature, beginning in the 13th century with the first literary works, in West Anatolian Turkish, in Asia Minor. The course continues with the Classical (17th and 18th centuries) and the Neo-Persian School (in the Tulip Period) and ends in the mid-19th century (the Tanzimat period – period of reforms). After the chronological exposition, certain representative authors, general literary forms (poetry, prose, historiography) and the forms of Divan literature (Arabic-Persian-Ottoman literature), i.e., the gazel, the kaside, the mesnevi etc., are taught using original texts in the Arabic alphabet. The course’s aim is continued practice in the Ottoman language through the medium of reading and analysis of Ottoman literary texts in various forms.

TUM 341 Themes of Ottoman Literature
(Linguistics and Literature Direction)
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 writings 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
(History - Political Science Direction)
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  
(History - Political Science Direction)  
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  
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  
(Linguistics and Literature Direction)  
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  
(Linguistics and Literature Direction)  
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 450 Themes int he History and Politics of Turkey  
(History - Political Science Direction)  
The aim of the course is an in-depth knowledge of specific aspects of the history of the Turkish Republic. The course is based on the study and analysis of Turkish and other sources.

TUM 451 History of the Turkic Peoples  
(History - Political Science Direction)  
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 Mongol 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.

Restricted Elective Courses

TUM 402 Morphology of the Turkish Language  
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  
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  
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  
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 406 Advanced Translation Course  
The course introduces students to the general theories and methods of translation. The latter are then put into practice in exercises with advanced-level texts of different types. The target language (that into which the translation is done) is always the student's native language.

TUM 407 Turkish Dialectology  
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
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 412 Chaghatay Language and Literature
The course is an introduction to the language and literature of Chaghatay, a form of East Turkish which is dominant in the literary tradition of Central Asia from the 15th to the 18th century, and which is coeval with the Timurid dynasty and its successors (such as Babur). Besides learning the principal linguistic features of Chaghatay, students will read literary texts written in the Chaghatay language.

TUM 413 Literature of the Tanzimat
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-E Fünun), parts of the work of the main authors (i.e., Ahmed Midhat, Namik Kemal for the Tanzimat, Halid Ziya Uşaklıgil, Mehmed Rauf for the Servet-E Fünun) will be read and analysed.

TUM 414 The Turkish Novel
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
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
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 417 Comparative Turkish and Greek Literature
With the parallel reading of Turkish and Greek authors, various themes of comparative literature are examined, such as the picture of the “other”, literary and ideology, exile, travellers, common motifs. Part of the course deals with the literature of the period of the population exchanges and with the subjects arising from this theme in the literatures of both peoples.

TUM 420 Contemporary Turkish Cypriot Literature
With the reading and analysis of poetry and texts of Turkish Cypriots, the following subjects are examined: Turkish Cypriot identity in literature, tradition and change, man and society, Cypriot politics and society in literature, and contacts between Turkish Cypriot and Greek Cypriot authors.

TUM 421 Comparative Turkish Cypriot and Greek Cypriot Literature
The aim of this course is the understanding of the two literatures in Cyprus as a phenomenon of contact and conflict. Secondly, the course will encourage the study of different traditions as well as common themes. Texts of the two communities from the Ottoman and British period of the island’s history are examined. These are taken especially from the folk tradition. They are then compared with the themes of contemporary writers and poets.

TUM 422 Turkish Cypriot Folk Literature
In this course, various forms of Turkish Cypriot folk literature are presented and analysed: proverbs, riddles, songs, fable tales, anecdotes, popular theatre. The role of traditional folklore in ritual and ceremony is discussed. The reading of the most popular Turkish proverbs, riddles, etc., will also enrich students’ vocabulary.

TUM 423 The Turkish Cypriot Dialect
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
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 Turkic 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 431 Literature of the Turkic Peoples Outside Turkey
The course concerns the literatures of the non-Oghuz peoples, the Azeris and the Türkman. After a historical survey of the most important literary traditions in the Turkic languages of Central and Western Asia, the course concentrates on representative texts.
of early or contemporary writers and poets from the Turkophone regions and nations of Eurasia.

TUM 432 Comparative Grammar of the Turkic Languages
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
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
An introduction to the history of the Turkish-speaking Greek populations of Asia Minor and to their language (“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).

TUM 435 Balkan Turkology
The course deals with the two main subjects of Balkan Turkology (a branch of General Turkology): the study of the Turkish dialects of the Balkan peninsula and the influence of the Turkish language on the languages of Southeast Europe. Main aims of the course are familiarity with the classification of the Rumelian (Balkan) dialects in the framework of Turkish dialectology, the study of the phenomena of linguistic contacts with the Balkan languages and the exploration of the extent of Turkish influence on the relevant languages of the Balkans (e.g., Greek, Albanian, Romanian, Bulgarian, Serbian).

HISTORY - POLITICS

TUM 440 Byzantium and the Ottomans
In this course the relations between Byzantium and the Ottoman Empire 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.

TUM 441 Institutions of the Ottoman Empire
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
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 Diplomats

TUM 444 The Tanzimat
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
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 450 Contemporary Turkish Historiography
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 451 History of the Press in the Ottoman Empire and Modern Turkey
After a survey of the history of the press until the alphabet 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 in Cyprus will also be covered. The main aim of the course is to enable students to assess the distinctive character and orientation of the major newspapers.

TUM 452 The Emergence and Development of Turkish Nationalism
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
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
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
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
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
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
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
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

TUM 462 History of the Turkish Cypriot Community
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
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
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 471 The Arab East Under Ottoman Rule
The “Fertile Crescent” (mashriq) became part of the Ottoman territories in the 16th century. The expedition of Napoleon I marked the increasing economic and cultural influence of Europe in the Near East until a new political order emerged after World War I. The developments which took place in the Arab provinces of the Ottoman Empire are the focus of this course. Topics to be discussed are the provincial administration, the effects of the Tanzimat reforms and the emergence of the Arab national movement.

TUM 472 Contemporary Ideas and Movements in the Middle East
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

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

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 478 Modern Central Asia

Central Asia, stretching from the Caspian Sea in the west to China in the east, has been inhabited mainly by Turkish and Iranian peoples since antiquity. Since the 19th century Russia and China have exerted great influence on the states of that region. The course will focus on the correlation of modernisation, Turkification and "Sovietification", processes of nation building and aspects of the post-Soviet period.

Courses common to both directions

TUM 480 Turkish Language Reform

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

The genre of memoir literature (the boundary between memoirs and autobiography being somewhat fluid) has expanded steadily since the Tanzimat period. 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. Memoirs constitute an important source for the political situation and cultural bent of Turkey in the 20th century. The large quantity of interesting and memorable information to be found in the works of littérateurs, 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

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.

TUM 491 Civilization and Identity of the Turkish Cypriot Community

The basis of this course will be the following two historical periods:

a) from the beginning of the Ottoman period in Cyprus and
b) during the modern period.

In the first phase of the course, the structure of the Turkish Cypriot population, the administration, the social and religious institutions, the professional structure and organization are studied. In the second phase (modern period), the ascent of nationalism and its effects on the formation of identity and the general culture are explained. Emphasis will be placed on the image of the “Other”.

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### 1st semester
- **TUM 100 Grammar and Syntax I** (6 hours) (C) 8
- **TUM 106 Language Exercises I** (Reading, Writing, Dialogue) (6 hours) (C) 11
- **TUM 120 Introduction to Turkish Studies** (IG) 6
- Foreign Language Course 5

### 2nd semester
- **TUM 101 Grammar and Syntax II** (6 hours) (C) 8
- **TUM 107 Language Exercises II** (Reading, Writing, Dialogue) (6 hours) (C) 11
- **TUM 121 Introduction to Islam** (IG) 6
- Foreign Language Course 5

### 3rd semester
- **TUM 200 Grammar and Syntax III** (3 hours) (C) 6
- **TUM 206 Language Exercises III** (Reading, Writing, Dialogue) (3 hours) (C) 7
- **TUM 220 Introduction to Turkish Linguistics** (IG) 6
- **TUM 250 History of the Ottoman Empire** (IG) 6
- Foreign Language Course 5

### 4th semester
- **TUM 210 Translation Turkish-Greek** (C) 6
- **TUM 230 Ottoman Language** (C) 7
- **TUM 240 History of Modern Turkish Literature** (IG) 6
- **TUM 260 History of Turkey** (IG) 6
- Elective Course 5

### 5th semester
- **TUM 310 Translation Greek-Turkish** (C) 6
- **TUM 316 Dialogue** (C) 6
- **TUM 317 Analysis of Academic Texts** (C) 6
- **TUM 340 Ottoman Literature** (IG) 7
- Elective Course 5

### 6th semester
- **TUM 300 Language of the Press** (C) 6
- **TUM 301 Language of the Media (audiovisual)** (C) 5
- **TUM 302 Themes in Turkish Linguistics** (CD) 7
- **TUM 341 Themes of Ottoman Literature** (CD) 7
- Elective Course 5

### 7th semester
- **TUM 400 Turkish for Special Purposes** (C) 6
- **TUM 401 Turkish Languages outside Turkey** (CD) 7
- **TUM 410 Themes in Modern Turkish Literature** (CD) 7
- Elective Course 5
- Restricted Elective Course 5

### 8th semester
- **Six Restricted Elective Courses** 30

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**Note:**
- (C) = Compulsory language course
- (IG) = Compulsory introductory-general course
- (CD) = Compulsory direction course
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<th>Semester</th>
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<td>Restricted Elective Course</td>
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<td>8th semester</td>
<td>Six Restricted Elective Courses</td>
<td>30</td>
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**Note:**
(C) = Compulsory language course  
(IG) = Compulsory introductory-general course  
(CD) = Compulsory direction course
### LINGUISTICS AND 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 406 Advanced Translation Course
- TUM 407 Turkish Dialectology
- TUM 411 Old Anatolian Turkish: Its Linguistic Features and Literature
- TUM 412 Chaghatay Language and Literature
- TUM 413 Language of the Tanzimat
- TUM 414 The Turkish Novel
- TUM 415 Contemporary Turkish Poetry
- TUM 416 Istanbul in Turkish Literature
- TUM 417 Comparative Turkish and Greek Literature
- TUM 420 Contemporary Turkish Cypriot Literature
- TUM 421 Comparative Turkish Cypriot and Greek Cypriot Literature
- TUM 422 Turkish Cypriot Folk Literature
- TUM 423 The Turkish Cypriot Dialect
- TUM 430 Bilingualism and Language Contacts
- TUM 431 Literature of the Turkic Peoples outside Turkey
- TUM 432 Comparative Grammar of the Turkic Languages
- TUM 433 Greek-Turkish Language Contacts
- TUM 434 Karamanlidika
- TUM 435 Balkan Turkology

### HISTORY AND POLITICS

- TUM 440 Byzantium and the Ottomans
- TUM 441 Institutions of the Ottoman Empire
- TUM 442 Ottoman Chronicles
- TUM 443 Introduction to Ottoman Paleography and Diplomats
- TUM 444 The Tanzimat

### 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
Faculty of Humanities

THE LANGUAGE CENTRE
ACADEMIC FACULTY

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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, and to enable students to satisfy the University’s foreign language requirement (5 credit units - ECTS).

The Language Centre is dedicated to helping students succeed in mastering languages other than their own. 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 film, and 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 levels of English Language Studies and nine English courses for specific purposes, 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 and Spanish Language Studies. In addition there are three levels each for Turkish and Russian. All syllabuses are aligned with the Common European Framework of References (CEF) 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. Further information about exemption regulations can be found on the Centre's web page http://www.ucy.ac.cy/goto/langce/el-GR/ExemptionPolicy.aspx

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.

COURSE DESCRIPTIONS
LAN 100 General Advanced English
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 their way to the B2 CEF level.

LAN 101 Academic English
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 CEF level.

LAN 200 General Topics in Academic English
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
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, academic study skills, listening, speaking and extensive terminology practice on topics such as construction sites, plans and materials.

LAN 103 English for Biology
Prerequisite: LAN 100 or equivalent
This course is specifically designed to meet the needs of university students studying in the field of Biology. 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, reading, writing, academic study skills, listening, speaking and extensive terminology practice on topics such as construction sites, plans and materials.

LAN 104 English for Technical Purposes
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
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
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
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 Public and Business Administration.

LAN 202: English for Public Speaking
The primary objective of this course is to acquire presentational skills, and skills useful for participation in meetings and debates. Students will learn to:
a) research a variety of specific topics and decide on the contents of their intervention, find arguments for or against a given position;
b) structure a formal presentation;
c) use equipment and visual aids to enhance their presentation;
d) establish eye-contact with the audience, speak clearly and with an awareness of cultural differences in body language;
e) listen to audience questions and respond effectively.
Methodologically, the course will be collaborative in nature and based on simulations and/or tasks. It will develop confidence, fluency and language functions related to public speaking: for example, how to introduce a subject, make a transition, take turns in a debate, support or object to an argument, etc.

LAN 280 – The English of European and International Relations
The purpose of this specialized course is to provide students with knowledge of international relations through the medium of English and to make them practice the English 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. For example an international conference will be simulated with debates in plenary sessions or commissions and with preparation of a final document. Possible themes will be: the functioning of international institutions, the mechanisms of political and economic cooperation, diplomacy and international negotiation, treaties and their elaboration, regional integration, non-governmental organizations, etc. The course will give students a definite professional advantage: that of being capable of discussing and debating in an international language major world and European problems.

LAN 283 – Business English
Besides the study of the English language useful in business this course will make students aware of interculturality, stereotypes, preconceived ideas about the interlocutor, and behaviours in business dealings and the workplace. The specificity of English-speaking companies and commercial relations in the English-speaking world will be stressed. In addition to developing socio-cultural awareness, the course will focus on the acquisition of practical linguistic knowledge, for example writing a CV, speaking on the phone, negotiating prices, writing business letters, dealing with customers and suppliers, organizing a business trip, etc. Teaching will be based on authentic documents, audio-visual as well as written, and a task-based approach will be adopted. The aim of the course is to develop an immediate communicative competence in the business area.

The course will prepare students for the Business English Certificate.

FRENCH LANGUAGE COURSES
The French language courses, structured in accordance with the proficiency levels of the 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
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
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 CEF.

LAN 107 French - Intermediate level I
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 CEF.
LAN 108 French - Intermediate level II
Prerequisite: LAN 107 or equivalent
This course continues to develop communicative skills allowing students to comprehend simple documents and to present them both orally and in written form. 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 CEF.

LAN 110 French for Specific Purposes-Intermediate level I
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 specialisation. Particular attention is focused on specialised vocabulary and scientific terminology in the above fields of study. Grammatical knowledge is expanded within the context of the texts examined.

LAN 281 French of the European and International Relations
The aim of this specialized course is to develop the students’ knowledge on international relations through the use of the French language and to foster the use of French in this specific context. The course will be based on thematic presentations, but will also be oriented toward the accomplishment of tasks which will develop both comprehension and production skills in the targeted field. For instance, an international conference may be simulated, with debates in plenary sessions and commissions, and with preparation of a final draft. Among the topics studied, there will be: the operation of international institutions, the mechanisms of political and economical cooperation, diplomacy and international negotiation, treaties and elaboration of treaties, regional integration, non-governmental organizations, etc. This course will give students a definite professional advantage: be able to talk about and discuss important world and European questions, in an international language – which is sometimes the exclusive official language of some organisms, such as the European Court of Justice.

LAN 284: Business French
Pre-requisite: LAN … or equivalent
Beyond the study of the French language used in situations of the world of business, this course involves question of intercultural relations stereotypes and preconceived ideas about the interlocutor and about attitudes in work relationships. Moreover, the specificity of how the French companies work and the French way of approach to commercial relationships will be stressed. This sensitization about cultural aspects will be accompanied by the acquisition of practical knowledge: for instance, write a CV, telephone, negotiate 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 earning. 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 (CEF). 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
This course will teach students how to function on a very basic level of listening, speaking, reading, 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
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 CEF.

LAN 072 German - Intermediate level I
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, sports, language learning, family, traveling/mobility, spare time, media, etc.. By the end of the course students will be well on their way to A2 (Waystage) level of the Common European Framework.

LAN 073 German - Intermediate level II
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 CEF.
LAN 282 German for European and International Relations

By using the German language as a means, this course aims to impart knowledge to students in the field of European and international relations and to apply the German language in this specific context. The course will focus on topic-related presentations as well as on specific exercises in order to develop listening and communicating skills in the context of the course subject, for example the simulation of an international conference with debates in plenary sessions or committees and the preparation of a final report. The following subjects will be discussed: procedures and methods of international institutions, mechanisms of political and economic cooperation, diplomacy and international negotiations, contracts and their preparation, the integration of regions, non-governmental organisations etc.

Through the successful completion of this course students will gain a substantial advantage for their future careers. They will be able to speak and debate about European and worldwide issues in an international language which is also one of the three official languages in the European Union.

LAN 285 German for Business

Beyond the practise of the German language in business-related communicative situations, this course focuses especially on intercultural aspects, stereotypes and preconceived ideas about interpersonal communication as well as on interaction in business relationships. The course also 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 methodology of the course is based on authentic audio-visual material and authentic written documents as well as on individual task-based activity. This practical 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

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 in Italy.

LAN 076 Italian - Beginner level II

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 CEF.

LAN 077 Italian - Intermediate level I

Prerequisite: LAN 076 or equivalent

The general aim of the course is for students to understand and produce a broad range of communicative and interactive expressions related to personal information, social exchanges, shopping, 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 CEF.

LAN 078 Italian - Intermediate level II

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 CEF.

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 programme of Spanish in 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

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 CEF.

LAN 087 Spanish - Intermediate level I
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 CEF.

LAN 088 Spanish - Intermediate level II
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 CEF.

TURKISH LANGUAGE COURSES
This course is intended to introduce students to the Turkish language and prepare them to use the language in their future working life or daily social activities. This course will help students develop Turkish language skills in listening, speaking, reading and writing at a level equivalent to the Common European Framework A1 (Breakthrough).

COURSE DESCRIPTIONS
LAN 050 Turkish - Beginner level I
An elementary Turkish course that focuses on teaching initial listening, speaking, reading and writing skills in Turkish. 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 051 Turkish - Beginner level II
Prerequisite: LAN 050 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 052 Turkish - Intermediate level I
Prerequisite: LAN 051 or equivalent
The course presupposes basic language skills in Turkish 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 CEF, 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.

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
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
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
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 CEF.
ACADEMIC FACULTY

CHAIRPERSON
Andreas Constantinou

VICE CHAIRPERSON
Niovi Santama

PROFESSORS
Andreas Constantinou
Constantinos Deltas

ASSOCIATE PROFESSORS
Leondios G. Kostrikis
Niovi Santama

ASSISTANT PROFESSORS
Pantelis Georgiades
Antonis Kyrmizis
Paris A. Skourides

LECTURERS
Alexander Kirschel
Vasilis J. Promponas
Katerina Strati
INTRODUCTION

At the start of the new millennium, Biology is at the forefront of scientific discovery and public attention. The recent delineation of the complete genomic information of human and several other organisms provided the foundation for unprecedented advances in understanding life at the molecular level. It also provided new tools and approaches to medicine, agriculture, anthropology, and other disciplines. The way Biology is taught, practiced, and understood has been revolutionised through advances in biochemistry, cell and developmental biology and genetic manipulations based on molecular biology. 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, medicine, pharmaceuticals, to name a few), and a source of improvements in health and quality of life.

OBJECTIVES

The Department of Biological Sciences aims to provide high quality training through its programmes of study and research in line with international trends in the Biological Sciences. The Department accepted its first graduate students in September 2003 and its first undergraduate students in September 2007. Biology courses were chosen and designed to prepare students for employment as well as to continue their education. Undergraduates may choose to pursue further graduate study and research in biology or work in research laboratories, allied health labs, science education, government agencies, etc. The undergraduate Biology programme offers students a broad background in basic science and biological principles which allows for a high degree of flexibility during the junior and senior years of study.

DESCRIPTION OF COURSES

BIO 101 Introductory Molecular Biology (6 ECTS)
The major goal of this course is to provide students with basic academic tools required for the Department's undergraduate programme of study. The topics for presentation in this course are drawn from topics in modern molecular biology, genetics and virology and will include the following: basic principles and methodology of prokaryotic and eukaryotic genetics; molecular properties of the genetic material, its ability to replicate, to recombine, to mutate, and to dictate RNA and protein synthesis; genetic manipulations of in vitro genetics by recombinant DNA techniques; principles of molecular virology and human diseases.

BIO 102 Integrative Biology of Organisms (7 ECTS)
This course provides an integrative and functional approach to plant and animal biology in an evolutionary context, emphasising 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 211 Cell Biology (6 ECTS)
The aim of this course is to offer a basic overview of the molecular cell biology of eukaryotic cells: structure, function, and biosynthesis of cellular membranes and organelles; cell growth and oncogenic transformation; transport, receptors and cell signaling; the cytoskeleton, the extracellular matrix, and cell movements; chromatin structure and RNA synthesis.

BIO 212 Molecular Biology (6 ECTS)
An integrated introduction to the basic principles of molecular biology. Topics covered: the biochemistry and molecular biology of nucleic acids; the central dogma; DNA, RNA, and protein synthesis; mutation and repair; recombination and transposition; the genetic code; the turning on and off of genes; RNA, ribozymes and splicing.

BIO 221 Biochemistry I (6 ECTS)

BIO 222 Biochemistry II (6 ECTS)

BIO 241-242 Laboratory Methods and Techniques I-II (7 ECTS)
Lectures and laboratory work. Application of experimental techniques in biochemistry, cell and developmental biology. Emphasis on integrating factual knowledge with understanding the design of experiments and data analysis to prepare students for research projects. Development of skills critical for writing about scientific findings in modern biology. Instruction and practice in written communication. Current techniques used in biomedical research, which may include radioisotope,
bacteriological, genetic, biochemical, and molecular; use of scientific literature and presentation of experimental results; selected laboratory experiments and library research projects.

BIO 301 Environmental Biology (5 ECTS)
The course will give students an understanding of major environmental problems through study of their biological basis, and through examination of the applications of bioprocesses to environmental problems. Basic topics include ecosystem structure, energy flow, biogeochemical cycles, population growth and regulation, and evolution. Applied topics include human population growth, agriculture and food production, pest control, conservation of forests and wildlife, preservation of biological diversity, energy use, water and air pollution, ozone depletion and global warming. The principles of microbial sensing and adaptation to extreme environments are discussed and expanded in the bioremediation of polluted environments and the recovery of important minerals and precious metals. Similarly, the application of microorganisms in other key environmental areas of biodeterioration, biominalogical, biosensors, biofuels, biodegradable plastics, waste and water treatment and biocontrol are also discussed in this course.

BIO 311 Introductory Neuroscience (6 ECTS)
A course that covers cell biology of neurons, electrical and biochemical signaling, motor control, sensation and perception, learning and memory, and anatomy of the brain and spinal cord. Additional topics include diseases of the nervous system.

BIO 331 Principles and Methods of Bioinformatics I (7 ECTS)
The course provides an introduction to the multidisciplinary field of Bioinformatics. The major goal is to demonstrate through lectures and laboratory work how Bioinformatics has revolutionised modern biological research. Lectures will include: An Introduction/Overview to the field and the main ideas/methodologies currently in use. Biological Data and Databases. Introduction to amino acid and nucleotide sequence analysis. Sequence comparison and methods for pairwise and multiple sequence alignment. Heuristics for fast database search: goals and pitfalls. Introduction to Molecular Evolution and phylogenetic reconstruction based on molecular data. Substitution matrices for sequence comparison. Patterns, profiles, motifs and probabilistic models for family representation. Introduction to Gene structure and protein secondary structure prediction. Case study: prediction of transmembrane alpha helices. Advanced sequence database search techniques. Protein Structure Prediction. Advanced topics: cDNA Microarray analysis for Gene-Expression profiling. Automatic Genome annotation. Large-scale computational Genome analysis and Comparative genomics. Practicals will include examples of state-of-the-art methods/tools related to the topics covered in the lectures as well as an introduction to computer programming with Perl for Biologists in LINUX environment.

BIO 351 Genetics (6 ECTS)
Analysis of genes and genomes with emphasis on function, transmission, mutation, and evolution, with examples from animals, plants, bacteria, and fungi. The course discusses classical and current methods of gene and genome analysis, including genetic, molecular, quantitative, and bioinformatic approaches.

Note: Lectures and weekly laboratory/discussion section. Comprehensive survey of genetic mechanisms and methodologies, including classical genetics, recombination analysis in bacterial, fungi, and higher eukaryotes, molecular genetics and population and quantitative genetics.

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 Biology of Microorganisms (6 ECTS)
The course is designed to introduce fundamental principles and current trends in the field of Microbiology. This is accomplished by providing basic information in the form of lectures and demonstrations, and to present students with a view of the overall scope of microbiology that will help them appreciate the amazing microbial world and the important roles these organisms play in human health, medicine, the pharmaceutical industry, food science, agriculture, biotechnology and in our lives. This course aims to illustrate core concepts of microbiology such as: microbial cell structure and function, metabolism, microbial genetics, and the role of microorganisms in molecular biology, human, plant and animal diseases, food and pharmaceutical industry, agriculture and other selected applied areas. It also will illustrate the role and manipulation of microorganisms in biotechnological applications. Introduction to the diverse lifestyles of bacteria, viruses, fungi, and protozoan parasites, their importance in the biosphere, and their roles in human and animal diseases.

BIO 381 Physiology of Plants and Animals (6 ECTS)
Introduction to the physiology, biochemistry, and development of plants and animals. This course examines how ‘whole animals’ work; explaining how vertebrate body systems interact, how coordination is achieved and how the physiology of plants and animals is related to their environment. Topics include how animals cope with extreme temperature and shortage of oxygen; gamete formation, conception, gestation, birth; the physiological basis of growth and the implications of body size for physiological processes and animal function; the structure and function of muscle, bone, joints and tendons, and their role in animal movement on land, in swimming and in flight; 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. Laboratory sessions provide an introduction to basic measurement techniques in plant physiology.
BIO 441 Practical Training (12 ECTS)
Practical training can be used to substitute for two elective courses. Students who choose to take this course must ensure that they have a position in a laboratory in the department or at another institution prior to their enrolment. The proposed work must be approved by the academic advisor in advance. Students who fail to secure a position in a laboratory or fail to come to an agreement with their academic advisor regarding the project are required to take two elective courses instead.

BIO 491-492 Undergraduate Thesis I-II (12-14 ECTS)
The thesis can either be carried out in a laboratory or be of a bibliographical nature. Students who choose to carry out their thesis in a laboratory must secure a position in one of the available laboratories in consultation with their academic advisor. A bibliographical thesis is carried out under the supervision of the student's academic advisor who is also responsible for the topic selection.

Departmental Elective Courses
BIO 401 Evolutionary Biology: Form, Function, and Evolution (6 ECTS)
The course covers basic macro- and micro-evolutionary analysis, with an emphasis on how to approach the study of evolution from a population perspective. Topics include phylogenetics and biogeography, natural and sexual selection, speciation, co-evolution, life-history evolution, and principles of classification.

BIO 402 Ecology: Populations, Communities, and Ecosystems (6 ECTS)
Relationships of organisms to their environment at the individual, population, and community level. Topics in pure and applied ecology including adaptations to physical environment, competition, concept of the niche, population dynamics, predator-prey interactions, herbivore effects, community ecology, ecosystem structure, stability and function, and resource management.

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. Topics may include plate tectonics, ocean circulation, tidal cycles and shoreline processes. This provides a general background for understanding the biology of marine organisms, preparing the way for discussion on the 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 411 Behavioral Neuroscience (6 ECTS)
The course covers similar topics to those offered in BIO 311 at a more advanced level and with a primary focus on behaviour. Topics include the organization and function of the nervous system, and its role in behaviour, the cell biology of neurons, electrical and biochemical signaling by neurons, mechanisms of sensation and perception, control of movement, learning and memory, language, motivation, and emotion.

BIO 412 Animal Behaviour (6 ECTS)
A review of the behaviour of animals under natural conditions, with emphasis on both mechanistic and evolutionary approaches. Topics include classical ethology; behavioural endocrinology; behavioural genetics; learning and memory; communication; orientation, migration and biological rhythms; optimisation and evolutionary stable strategies; sexual selection; parental investment and mating systems; selfishness, altruism, and reciprocity; and sociality in vertebrates and invertebrates.

BIO 421 Medicinal Chemistry (6 ECTS)
The course aims to present fundamental issues regarding the invention, discovery, design, identification and preparation of biologically active compounds, the study of their metabolism, the interpretation of their mode of action at the molecular level and the construction of structure-activity relationships. Introduction to drug design. Molecular Pharmacology.

BIO 422 Human Nutrition (6 ECTS)
Scientific principles of human nutrition. Emphasis on nutrients, metabolism and factors affecting utilisation in the human body throughout the life cycle. The course includes an analysis of the influence of diet on health and evaluation of diets, and provides an integrated overview of the physiological requirements and functions of protein, energy, and the major vitamins and minerals that are determinants of health and disease. Topics include dietary sources, intake levels, and biological determinants of nutrient requirements; assessment of nutrient status in individuals and populations; the role of nutrition in growth and health through the life cycle; the rationale for the development of dietary guidelines and of nutrition policies in different countries; and the role of diet on the development of chronic diseases, such as cardiovascular disease, cancer, diabetes, etc.

BIO 423 Growth Control and Cancer (6 ECTS)
The course covers the fundamental rules of behaviour of cells in multicellular organisms and examines cellular and molecular mechanisms that govern cell growth, differentiation and survival in normal cells, as well as how this regulation is disrupted in cancer.

BIO 431 Principles and Methods of Bioinformatics II Lectures and laboratory work (6 ECTS)
Lectures will include: An introduction to the principles governing protein 3D structure and fundamentals of DNA/RNA structure. Methods for Macromolecular Structure Determination, Structural Databases and Data Representation, Molecular Visualisation.
Analysis of protein 3D structures (quality assessment, superposition, comparison and alignment, secondary structure assignment, domain definition and classification, relation to function). Sequence to structure analysis (protein-protein interactions, protein-nucleic acid interactions, docking, ab-initio structure prediction, comparative modeling, fold recognition-threading). An overview of Structural Genomics. Practicals will include examples of state-of-the-art methods/tools related to the topics covered in the lectures as well as advanced computer programming with Perl for Biologists in LINUX environment.

BIO 451 Epigenetics (6 ECTS)
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 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 analysed, including the establishment of polarity and body axes, making use of frogs, mice, and fish.

BIO 462 Molecular Embryology (6 ECTS)
This lecture course is a study of embryology with emphasis on the fundamental developmental processes shared by vertebrate embryos. Topics include gametogenesis, fertilisation, and development of the embryo from zygote through the differentiation of the neural tube. The second half of the course is devoted to the development of selected human organ systems including the nervous system, sense organs, and the cardiovascular, digestive, respiratory, and urogenital systems.

BIO 463 Embryonic Morphogenesis (6 ECTS)
During gastrulation, cell and tissue movements on a massive scale create great complexity from a very simple starting point, resulting in highly diversified organisms with a precise three-dimensional architecture. The mechanisms underlying these movements are important, because genetic mutations and environmental insults during gastrulation can lead to significant developmental deformities. This course takes an in-depth look into the mechanisms of embryonic morphogenesis with special emphasis on the amphibian model systems traditionally used for the study of morphogenesis. Comparisons will be made with mammalian morphogenetic mechanisms, and known pathways specifically involved in morphogenesis will be covered. Modern methods for the study of morphogenesis and the challenges facing the study of morphogenesis in mammals and amphibians will also be discussed. Students will study a number of important papers in the field and will be expected to present them in class.

BIO 471 Immunology (6 ECTS)
A comprehensive survey of molecular, genetic, and cellular aspects of the adaptive immune response. Topics include: cells and organs of the immune system, antigen-antibody reactions, immunoglobulin structure, immunoglobulin classes, organization and rearrangement of immunoglobulin genes, major histocompatibility complex (MHC), genes encoding MHC proteins and T-cell antigen-specific receptors, development and functions of B and T lymphocytes, complement, immunity to infectious diseases and tumors, hypersensitivity, immunodeficiencies, transplantation, autoimmunity, and evolution of immune response.

BIO 472 Virology (6 ECTS)
The course will cover virus molecular classification and viral diseases together with methods for diagnosing and measuring viral infections. New advances in how viruses are discovered will be presented together with how this challenges classical ideas about proof of disease causation. Lectures will examine how certain viruses cause cancer, and how retroviruses, particularly HIV, cause diseases. Finally, students will learn how viruses have been harnessed as workhorses in molecular medicine as gene therapy vectors and how new insights into host-pathogen biology are revealed through functional genomics.

BIO 481 Zoology (6 ECTS)
Examines the comparative anatomical and physiological study of representatives from the various animal phyla, emphasising the ways in which the common problems of movement, digestion, circulation, respiration, regulation of body fluids, coordination of function, and reproduction are solved.

BIO 482 Botany (6 ECTS)
Water and dissolved materials are moving through special transport pathways: water from soil through roots, stems and leaves to the atmosphere and inorganic salts and organic molecules in many directions within the plant. Thousands of kinds of chemical reactions are underway in every living cell, transforming water, mineral salt, and gases from the environment into organized plant tissue and organs. From the moment of conception, when a new plant begins as a zygote until the plant’s death, organized processes of development are enlarging the plant, increasing its complexity and initiating such qualitative changes in its growth as formation of flowers in the spring season and the loss of leaves in autumn. This course considers the fundamental biological principles as they apply to plants. Structure and function of the organs of representative plants will be considered.
COURSES FOR 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 001 Introduction to Modern Biological Sciences
People are becoming increasingly aware of the relevance of biology to their lives. Ranging from personal to global level, there are issues today that require individuals to have at least an elementary knowledge of basic biological trends in order to make informed decisions. This course will address how and why basic research in the biological sciences is performed and provide 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 as they arise. The topics for presentation in this course are drawn from the subject matter of modern molecular biology, genetics and virology, and will include the following: basic principles and methodology of prokaryotic and eukaryotic genetics; molecular properties of the genetic material, its ability to replicate, to recombine, to mutate, and to dictate RNA and protein synthesis; genetic manipulations of in vitro genetics by recombinant DNA techniques; principles of molecular virology and human diseases. A secondary goal of this course is to present the information in such a way that historical sequences and intellectual processes involved in the development of biological understanding are emphasised.

BIO 002 Integrative Biology
The course provides an integrative and functional approach to plant and animal biology in an evolutionary context, emphasising 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 Principles and Methods of Bioinformatics
The course provides an introduction to the multidisciplinary field of Bioinformatics. The major goal is to demonstrate through lectures and laboratory work how Bioinformatics has revolutionised modern biological research. Lectures will include: An Introduction/Overview to the field and the main ideas/methodologies currently in use. Biological data and databases. Introduction to amino acid and nucleotide sequence analysis. Sequence comparison and methods for pairwise and multiple sequence alignment. Heuristics for fast database search: goals and pitfalls. Introduction to molecular evolution and phylogenetic reconstruction based on molecular data. Substitution matrices for sequence comparison. Patterns, profiles, motifs and probabilistic models for family representation. Introduction to gene structure and protein secondary structure prediction. Case study: prediction of transmembrane alpha helices. Advanced sequence database search techniques. Protein Structure Prediction. Advanced topics: cDNA Microarray analysis for Gene-Expression profiling. Automatic Genome annotation. Large-scale computational Genome analysis and Comparative genomics. Practicals will include examples of state-of-the-art methods/tools related to the topics covered in the lectures.

BIO 004 Life before Birth
An introduction to the still mysterious process of how genes and cells bring about the remarkable transformation of the first-formed cell (the fertilised egg) into a human being. Key concepts on 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 100 Introduction to Human Genetics
The molecular basis of inheritance, the genetic code and major molecules and processes involved in the flow of genetic information, gross anatomy of the human genome, and basic principles of recombinant DNA technology. Basic laws of Mendelian inheritance and presentation of diseases with autosomal dominant, autosomal recessive and sex-linked modes of inheritance. Examples of known inherited monogenic disorders such as Thalassaemia, Cystic Fibrosis, Muscular Dystrophy, Polycystic Kidney Disease, Huntington Chorea and Hemophilia, with special reference to Cyprus and Greece. Molecular genetic testing methodology is presented and ethical dilemmas are discussed. Critical questions answered during this course are the following:
- Why is it useful to know basic principles of human genetics?
- Why do marriages among close relatives favour the birth of children with serious inherited conditions?
- Is cancer inherited?
- Why can cloning not bring back our lost loved ones?
- What is known about the particulars of genetics in Cypriots?
- How did foreign occupants of Cyprus influence the Cypriot gene pool?
- Why do people inherit characteristics from ancestors not only seven, but even 1007 generations back?
**ANALYTICAL PROGRAMME OF STUDIES**

### 1st semester
- **BIO 111** Introductory Molecular Biology 6
- **PHY 131** General Physics I 6
- **CHE 021** Introductory Chemistry 6
- **MAS 001** Mathematics I 6
- Foreign Language I 5
**TOTAL** 29

### 2nd semester
- **BIO 102** Integrative Biology of Organisms 7
- **PHY 132** General Physics II 6
- **CHE 031** Organic Chemistry of Biology 6
- **MAS 002** Mathematics II 6
- **CS 032** Programming of Problem-Solving Techniques 6
**TOTAL** 31

### 3rd semester
- **BIO 211** Cell Biology 6
- **BIO 221** Biochemistry I 6
- **BIO 241** Laboratory Methods and Techniques I 7
- Foreign Language II 5
- **CHE 030** Organic Chemistry Laboratory for Students of Biology 6
**TOTAL** 30

### 4th semester
- **BIO 212** Molecular Biology 6
- **BIO 222** Biochemistry II 6
- **BIO 242** Laboratory Methods and Techniques II 7
- **MAS 066** Biostatistics 6
- Elective Course* 5
**TOTAL** 30

### 5th semester
- **BIO 351** Genetics 6
- **BIO 371** Biology of Microorganisms 6
- **BIO 331** Principles and Methods of Bioinformatics I 7
- Departmental Elective Course 6
- **BIO 301** Environmental Biology 5
**TOTAL** 30

### 6th semester
- **BIO 361** Introduction to Developmental Biology 7
- **BIO 381** Physiology of Plants and Animals 6
- **BIO 311** Introductory Neuroscience 6
- Departmental Elective Course 6
- Elective Course 5
**TOTAL** 30

### 7th semester
- **BIO 441** Practical Training** 12
- **BIO 491** Undergraduate Thesis I 12
**TOTAL** 30

### 8th semester
- **BIO 492** Undergraduate Thesis II 14
- Departmental Elective Course 6
- Elective Course 5
- Elective Course 5
**TOTAL** 30

### ECTS WORKLOAD DISTRIBUTION

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>From the Dept. of Biology</th>
<th>From Other Depts</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>2nd</td>
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<td>8th</td>
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<td><strong>TOTAL</strong></td>
<td>240</td>
<td>156</td>
<td>84</td>
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</tbody>
</table>

**Note:**

* Students must take a minimum of three elective courses. These must be from at least two faculties of the University and are selected in consultation with the academic advisor.

** Students who do not choose practical training must choose two additional departmental electives.

Students must take two 400-level departmental elective courses and two elective courses during the fourth year.

The Biology course codes are designated as follows:

1st Digit: Indicates the year of the programme in which the course must be taken (except in the case of departmental elective courses where the code is 4XX, indicating specialised courses)

2nd Digit: Indicates the subject of a course or general grouping of related subjects

3rd Digit: Differentiates the courses within a given subject
ACADEMIC FACULTY

CHAIRPERSON
Athanasios Nicolaides

DEPARTMENT VICE-CHAIRPERSON
Ioannis Paschalidis

PROFESSORS
Angelos M. Efstathiou
Charis R. Theocharis
Costas S. Patrickios

ASSOCIATE PROFESSORS
Anastasios D. Keramidas
Panayiotis A. Koutentis
Epameinondas Leontidis
Athanasios Nicolaides
Ioannis Paschalidis

ASSISTANT PROFESSORS
Nikolaos E. Chronakis
Sophia C. Hayes
Anastasios I. Tasiopoulos

LECTURERS
Constantina P. Kapnisi-Christodoulou
Eftychia Pinakoulaki
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. For the academic year 2010-2011 the original undergraduate programme of studies in Chemistry will be divided into three new 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 had 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 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's 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 programs, 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 is restructuring its undergraduate programme for the academic year 2010-2011. Three novel, equivalent Chemistry degrees are being 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) To be exactly equivalent, in the sense that all graduates of the Department of Chemistry will have equal credentials for the job market. (b) To retain the same high standards that established the reputation of the Department of Chemistry in its earliest years. (c) To be based on the European Credit Transfer System (ECTS).
UNDERGRADUATE PROGRAMMES OF STUDIES

The original programme of studies will terminate in the academic year 2012-2013. During the academic year 2010-2011 the second, third and fourth year of studies based on the original programme will be offered, while the three new programmes will start by teaching a common first year. In parallel to its basic programme(s) of studies the Department of Chemistry offers a Chemistry minor degree to students of other Departments of the University of Cyprus. In what follows we describe in detail the original Chemistry programme, but we want to emphasize that the basic principles of the original and the new programmes are identical.

• Original Chemistry Programme

This programme is based on the European Credit Transfer System (ECTS) and comprises: (a) introductory courses in Chemistry, Physics, Mathematics and Computer Programming (1st and 2nd semester); (b) basic courses for the Chemistry degree (analytical, inorganic, organic and physical chemistry, biochemistry and chemical technology (3rd - 6th semester); and (c) special courses on advanced concepts and current topics in Chemistry (7th and 8th semester). To graduate with a B.Sc. in Chemistry, students must acquire a total of 240 ECTS units. The undergraduate programme includes 30 mandatory courses (6-7 ECTS each) and four elective courses (5 ECTS each).

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 that of the relevant theoretical courses.

Elective courses from the Department of Chemistry are taken in the 4th year of studies. To complete a Chemistry degree the student must in addition enroll in four university-wide elective courses (20 ECTS total) from at least two 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, or 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 a course without having first successfully taken the previous course in the series (see related Table). The Diploma Thesis (12 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.

• New undergraduate Chemistry programmes with specialization

All three new Chemistry programmes cover the entire basis of Chemistry 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). In this way it is ensured that all B.Sc. graduates 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, although it must be emphasized that the level of specialization cannot match that offered by a postgraduate degree.

The philosophy of the three new programmes is identical to that of the original programme of studies in Chemistry. Thus, the programmes are based on ECTS, they include 10 ECTS units in foreign language courses and 20 ECTS units in University-wide elective courses, and they are designed to carry a normal teaching weight of 30 ECTS units per semester.

The Diploma Thesis work in the 4th year (12 ECTS) retains its central role in the Chemistry education provided by the Department. The basic principles of course organization, grading, etc., as outlined for the original programme, are retained in the new programmes as well. Although there will be prerequisite courses in the new programmes, the relevant list is currently under revision. Incoming (first year) students will be informed (formally and in print) during registration week with regard to the prerequisite courses for each programme.

The three programmes differ as follows: (a) In the 6th semester of studies Molecular Biology 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 Biochemistry II, 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, Environmental Radioactivity, Bioinorganic Chemistry, Pollutants in the Environment, and Food Quality Control. In the Materials Chemistry programme, students take Surface Chemistry, the Chemical Technology laboratory, Special Topics in Spectroscopy, Supramolecular Chemistry, Organometallic Chemistry, Polymer Chemistry and Catalysis.

- 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 will offer 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).

**DESCRIPTION OF COURSES**

(K) core course – mandatory course, (E) elective course, OP (old programme), BC (new Biological Chemistry programme), FEC (new Food and Environmental Chemistry programme), MC (new Materials Chemistry programme)

**CHE 110 Analytical Chemistry Laboratory I (6 ECTS)**

OP(K), BC(K), FEC(K), MC(K)

Analytical Chemistry LAB I is a course of laboratory experiments focusing on classical methods of chemical analysis. The main goal of the experiments is to introduce students to analytical chemical laboratory 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 the 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)**

OP(K), BC(K), FEC(K), MC(K)


**CHE 121 Introductory Chemistry (for chemists) (6 ECTS)**

OP(K), BC(K), FEC(K), MC(K)

Atomic Structure: Hydrogen Atom (the spectrum of atomic hydrogen, the Bohr model, the Schrodinger equation, the principal, azimuthal, magnetic and spin quantum numbers, the atomic orbitals), Polyelectronic Atoms (orbital energies, the Pauli exclusion principle, the Hund’s rule, the building – up principle, electronic configuration). Periodic table: Blocks, Periods and Groups, Periodicity of Physical Properties (atomic radii, ionic radii, ionization energy, electron affinity, electronegativity), Trends in Chemical Properties. Chemical Bonds and Molecular Structure: Ionic Bonds (the energetics of ionic bond formation, physical properties, ionic bonds and the periodic table), Covalent Bonds (physical properties, 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 (simple ionic compounds, polyatomic ions and molecules, coordination compounds, organometallic compounds). Thermodynamics and Equilibrium: Free Energy, Enthalpy, Entropy, Equilibrium, Stoichiometry,

CHE 122 Inorganic Chemistry I (6 ECTS)
OP(K), BC(K), FEC(K), MC(K)
Periodic table of the elements, bonds in inorganic compounds, shapes of inorganic compounds, bond polarity, electrical properties of inorganic solids. Crystal structures of metals and simple ionic compounds (NaCl, CsI, CaF2, CdI2). Basic concepts in crystallography. Thermodynamic properties of inorganic materials. Systematic chemistry of the elements of groups IA, IIA, IIIB, IVB and VIIB. Transition metal elements. Theory of the structure of complexes.

CHE 130 Organic Chemistry Laboratory I (6 ECTS)
OP(K), BC(K), FEC(K), MC(K)
Separation-Purification Methods: Extraction (separation of organic compound mixtures), recrystallisation, distillation, thin layer chromatography (TLC), column chromatography. Isolation of Natural Products: Isolation of caffeine from tea, isolation of eugenol from cloves, isolation of (+)-limonene from orange skin, isolation of piperine from pepper. Synthetic-Mechanistic Organic Chemistry: Nucleophilic substitution (synthesis of alkyl halides from alcohols), reaction of alkyl halides with NaI in acetone solvent (SN2 reaction), reaction of alkyl halides with AgNO3 in ethanol solvent (SN1 reaction).

CHE 131 Organic Chemistry I (6 ECTS)
OP(K), BC(K), FEC(K), MC(K)
Fundamental concepts (atomic structure, chemical bonds, hybridisation, molecular properties). Stereochemistry (conformations, cis/trans isomerism, optically active compounds, stereochemistry of reactions). Reaction mechanisms (nucleophilic substitution, elimination reactions). Chemistry of alkanes, alkenes, alkynes and alkyl halides. Organometallic derivatives or alkyl halides.

CHE 140 Physical Chemistry Laboratory I (6 ECTS (OP) and 7 ECTS (BC, FEC, MC)
OP(K), BC(K), FEC(K), MC(K)

CHE 141 Physical Chemistry I (6 ECTS)
OP(K), BC(K), FEC(K), MC(K)

CHE 210 Analytical Chemistry Laboratory II (7 ECTS)
OP(K), BC(K), FEC(K), MC(K)
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)
OP(K), BC(K), FEC(K), MC(K)
a) Bonding Models in Inorganic Chemistry (ionic bond, lattice energy, the predictive power of thermochemical calculations on ionic compounds, covalent character in predominantly ionic bonds, covalent bond, valence bond theory, resonance, formal charge, molecular orbital theory, symmetry of molecular orbitals and overlap, bond length-ionization energy-electronic affinity, energy diagrams of molecular orbitals of homonuclear and heteronuclear diatomic molecules - triatomic molecules, electronegativity, group electronegativity, methods of estimating charges). b) The Structure and Reactivity of Molecules (the Lewis structure, VSEPR theory, molecular orbitals and molecular structure, structure and hybridisation, nonbonded repulsions and structure, bond multiplicity, experimental determination of molecular structure, simple reactions of covalently bonded molecules, Berry pseudorotation). c) The Solid State (the structures of complex solids, imperfections in crystals, conductivity in ionic solids, solids held together by covalent bonding, band theory, impurity and defect semiconductors, solid-state materials with polar bonds, hightemperature superconductors). d) Chemical Forces (types of chemical forces, hydrogen bonding, hydrates and clathrates, effects of chemical forces on melting and boiling points and solubility of solids). e) Acid-Base Chemistry (Brostow-Lowry, Lux-Flood, Lewis, Usanovich, definitions for acids and bases, solvent system definition, measures of acid-base strength, acid - base strength in gas phase and in nonpolar solvents, Drago's model for acids - bases interactions, factors that affect the acids - bases strength, definition and classification of acids and bases as hard and soft (HSAB), acid - base strength and HSAB, factors that affect HSAB, electronegativity and HSAB). f) Chemistry in Aqueous and
Nonaqueous Solvents (chemistry in solutions of liquid ammonia, sulfuric acid and liquid carbon dioxide, aprotic Solvents, molten salts, room-temperature molten salts, electrochemical potentials, hydrometallurgy). g) Inorganic Chains, Rings, Cages and Clusters (homonuclear chains, silicate minerals, heteronuclear chains, six- and eight-membered aromatic rings, other heteronuclear rings, cages, boron cage compounds, boranes, carboranes, high nuclearity cages, fullerene, polyoxometallates, heteropolyoxometallates, metal clusters).

CHE 230 Organic Chemistry Laboratory II (7 ECTS)  
OP(K), BC(K), FEC(K), MC(K)  
Risk Evaluation: R and S risk and safety codes; COSHH compliance.  
Unknown Identification: purification; spectroscopic analysis and identification; Laboratory Techniques: azeotropic distillation; vacuum distillation; vacuum sublimation; short path distillation; microscale; multi-step synthesis; thin layer chromatography (TLC); spectroscopic analysis  
1H and 13C 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. Literature Review: A short review of the scientific literature on a topic related to organic chemistry.

CHE 231 Organic Chemistry II (6 ECTS)  
OP(K), BC(K), FEC(K), MC(K)  
NMR Spectroscopy, Benzene and Aromaticity, Benzene Chemistry, Alcohols, Thiols, Ethers, Epoxides, Sulfoxides, 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)  
OP(K), BC(K), FEC(K), MC(K)  

CHE 242 Physical Chemistry II (6 ECTS)  
OP(K), BC(K), FEC(K), MC(K)  

CHE 311 Analytical Chemistry II (6 ECTS)  
OP(K), BC(K), FEC(K), MC(K)  

CHE 320 Inorganic Chemistry Laboratory (7 ECTS)  
OP(K), BC(K), FEC(K), MC(K)  
a) Main group chemistry. Synthesis and characterisation of chlorotribenzylnitri(V) and tri(propyloxy)borate. b) Vanadium Chemistry: Oxidation states, complexes, oxo and nonoxo vanadium molecules. Synthesis and characterisation of bis(acetylacetonate)vanadyl(IV) and tris(catecholate) anadium(IV) dis(triethylammonium). c) Cobalt Chemistry: Synthesis, structure and kinetic stability. Synthesis and characterisation of tris(ethyldiamino)cobalt(III)chloride ([+Co(en)3]I3H2O and [Co(phen)3]I3H2O d) Copper Chemistry: Dinuclear metal complexes, bioinorganic chemistry of copper. Copper Chemistry: Dinuclear metal complexes, bioinorganic chemistry of copper. Synthesis and characterisation of aqueous copper(II) acetate, cis- and trans-bis(glycinate)(hydrate)copper(II). e) Nickel Chemistry: Structure of Nickel complexes, electronic states. Synthesis and characterisation of bis(hydrate)bis(acetylacetonate)nickel(II), H2Salen and [Ni(salen)]. f) Reactivity of cobalt complexes, metal complexes as catalysts. Synthesis and characterisation of [Co(phen)3]Br2, [Co(phen)3][BF4]3, [Co(phen)3]3[quin]3(PF6)3 and 1,10-phenanthroline-5,6-diquinone (quin). Characterisation of the compounds involves: 1H, 13C, 1H NMR spectroscopy 1, 3, 5, 6, 7 • UV-Vis spectroscopy 2, 3, 4, 5, 6 • IR spectroscopy 2, 4, 5, 6, 7 • Magnetic Measurements 2, 4, 5 • Cyclic Voltametry 2, 5 • Polarometry 3 • Conductivity 3, 6 • Melting point 1, 7.
CHE 321 Inorganic Chemistry III (6 ECTS)
OP(K), BC(K), FEC(K), MC(K)
Coordination Chemistry, Bond, Spectroscopy, Magnetism
(valence bond theory, crystal field theory, high-low spin,
symmetry, molecular orbitals, σ-, π- and δ- bonds, infra red
spectroscopy, visible spectra of metal complexes, forbidden-
allowed transitions, Tanabe-Sugano diagrams, visible spectra of
non-octahedral complexes, magnetic properties of mononuclear
complexes, magnetism of multinuclear compounds, macroscopic
magnetic properties). b) Structure (structure and isomerism of
metalorganic molecules with coordination number 1-12,
enatiomeric complexes, chelate ring isomerism, experimental
distinction of enantiomers, CD spectroscopy, chelate effect,
macrocyclic ligands, crown ethers, selective binding, template
synthesis, catenates). c) Reactions, Kinetics and Mechanisms
(substitution reactions of square planar compounds, trans effect,
substitution reactions of octahedral complexes, effect of crystal
field stabilisation to the kinetics of metal complexes, substitution
mechanisms, fluctional complexes, redox reactions, inner-outer
sphere mechanisms, electron transfer, electron transfer in
dinuclear complexes, mixed valence compounds, light induced
catalytic reactions, water oxidation, N2 reduction). d) Descriptive
Chemistry of Transition Metal, Lanthanides and Actinides
(periodic table, oxidation states, 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 of lanthanides and actinides,
visible spectroscopy and magnetic properties of lanthanides and
actinides, transuranium elements). e) Multinuclear Molecules,
Metal-Metal Bonds (organometallic clusters, multiple metal-
metal bond, structure and reactivity of the metal-metal bond,
Zintl salts, polyoxometalatesheteropoyoxometalates, NMR
spectroscopy and electrochemistry of polyoxometalates,
supemolecular inorganic chemistry, spectroscopy of
supemolecular systems).

CHE 331 Organic Chemistry III (6 ECTS)
OP(K), BC(K), FEC(K), MC(K)
Heterocyclic Chemistry: synthesis and chemistry of 5- and 6-
membered rings: furan, thiophene, pyrrole, pyridine, quinoline,
isoquinoline and indole. Organic free radical chemistry: radical
mechanisms; functional group manipulation; C-C bond
formation; Alicyclic Chemistry: origin and types of ring strain;
synthesis and chemistry of cyclop propane, cyclobutane,
cyclopentane, cyclohexane, cycloheptane and medium ring
synthesis. Non Aromatic Heterocyclic Chemistry and Natural
Products: Synthesis and chemistry of small ring systems (3 & 4-
membered), steroids and β-lactams; 5 & 6- medium sized ring
systems, carbohydrate chemistry; 5 & 6-membered nitrogen
heterocycles-alkaloids. Concepts: stereoelectronic control, kinetic
& thermodynamic control, neighbouring group participation,
phenolic oxidative coupling. The Chemistry of Boron, Silicon and
Tin: hydroboration, silyl enol ether formation, the silicon Baeyer-
Villiger rearrangement, Shapiro reaction, electrophilic substitution
with allylic rearrangement, Crotyl silanes, Brook rearrangement,
Sila-Pummerer rearrangement, hydrostannylation, Crotyl
stannanes, Sn-Li exchange. Organometallic Chemistry: organo-
main-group chemistry; boron; silicon and carbon compared;
organo tin compounds; the use of transition metals in organic
chemistry; palladium (0) chemistry; palladium (II) chemistry;
other transition metals cobalt and iron; applications of
organometallic chemistry in organic synthesis; C-C bond
formation via transmetallation reaction; C-C bond formation
through cyclisation reactions; C-C bond formation via carbonyl
and alkene insertions. Mixed Mechanism Problem Solving
Workshops: complex mechanistic problems solved by team work.

CHE 340 Physical Chemistry Laboratory II (7 ECTS (OP)
and 6 ECTS (BC, FEC, MC))
OP(K), BC(K), FEC(K), MC(K)
Dissociation constants for weak bases, partitioning equilibria,
complex stability constants, vapor-point elevation, freezing-point
depression. Vapor-liquid equilibria. Study of a ternary liquid
mixture. Physicochemical characterisation and solubility of
copper dodecyl sulfate. Solubilisation of pollutants in micelles of
surface active substances. Surface tension of solutions and
mixtures. Electrochemical measurements with galvanic cells and
their applications. Polarography. Transfer numbers and
electrolysis. Stabilisation of CdS nanoparticles with
polyelectrolytes and their optical properties. Atomic spectra with
diffraction spectrograph. Vibrations-rotation spectra using IR-
spectroscopy. Quantum calculations on conjugated systems of
π-electrons using Hyperchem. Magnetic properties of inorganic
complexes. Light scattering from polymer solutions. Oxidation
mechanism of ascorbic acid. Enzymatic hydrolysis of esters. Study
of fast reaction kinetics using the stopped-flow method.
Photochemical kinetics using flash photolysis.

CHE 341 Physical Chemistry III (6 ECTS)
OP(K), BC(K), FEC(K), MC(K)
Electromagnetic radiation and interaction with atoms and
molecules. Molecular symmetry and group theory. Quantum
mechanical description of the rigid rotor. Rotational spectroscopy
of diatomic and polyatomic molecules. Selection rules. Quantum
mechanical description of the harmonic oscillator. Vibrational
spectroscopy of diatomic and polyatomic molecules. Vibrational-
rotational spectra. Raman spectroscopy. Electronic spectroscopy:
Pauli’s exclusion principle and Hund’s rules. Franck-Condon
principle. Fluorescence. Phosphoresence. Introduction to lasers
and applications. Nuclear magnetic resonance spectroscopy
(NMR). Electron paramagnetic resonance spectroscopy (ESR).

CHE 401 Chemistry Diploma Thesis I (3 ECTS)
OP(K), BC(K), FEC(K), MC(K)
The Diploma Thesis work is mandatory for the Bachelor degree in
Chemistry. In the first part of the diploma thesis work, students
begin work on a given subject under the supervision of a faculty
member. Emphasis is placed on the bibliography search and
mastering methods and techniques in the laboratory. At the end of
semester, the student’s performance is assessed by the
supervisor and is given the grade “satisfactory” or “unsatisfactory”.

Department of Chemistry
In the latter case, the student must register in the Diploma Thesis for two additional semesters. The final grade for the Diploma Thesis is given after completion of both CHE 401 and CHE 402.

**CHE 402 Chemistry Diploma Thesis II (6 ECTS)**  
OP(K), BC(K), FEC(K), MC(K)  
The course is a continuation of CHE 401. In this part, students continue to obtain their experimental data, and discuss and present the data in diagrams, figures and tables.

**CHE 403 Chemistry Diploma Thesis Writing (3 ECTS)**  
OP(K), BC(K), FEC(K), MC(K)  
The course is a continuation of CHE 402, at the end of which students write a report on their Diploma Thesis work. In addition, students give an oral presentation before an examination committee on their work 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 Spectroscopy, UV-vis spectroscopy, FTIR spectroscopy.

**CHE 411 Food Chemistry (6 ECTS)**  
OP(K), FEC(K)  

**CHE 412 Environmental Chemistry (5 ECTS)**  
OP(E), FEC(K)  

**CHE 413 Special Topics in Qualitative and Quantitative Analysis (5 ECTS)**  
OP(E)  
Chromatographic Methods: high performance liquid chromatography (HPLC) and applications, ion chromatography, size exclusion chromatography. Electrophoretic Methods: capillary electrophoresis sensors in chemical analysis: chemical sensors and biosensors, kinetic methods of chemical analysis. Fluorescence Methods: application of fluorescent tracers, thermal methods of analysis.

**CHE 414 Metal Ions in Biological Systems, Environment and Health (5 ECTS)**  
OP(E)  
The main purpose of the course is the presentation and description of bioinorganic systems in relation to the structure and activity of inorganic elements in organisms. Specifically, this course examines: a) trace elements in biosystems, b) effect of trace elements concentration in environment and health and c) pharmaceutical chemistry of inorganic compounds.

**CHE 415 Bioanalytical Chemistry**  
OP(E), 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 Radiochemistry (6 ECTS)**  
FEC(K)  
This course provides basic knowledge about the presence of radionuclides and radiation in the human environment. Radiation is related to natural radionuclides (NORM and TENORM), or radionuclides which are produced and liberated from human activities, such as the construction and testing of radioactive weapons, radiative material technology, production of nuclear energy and storage of nuclear waste. The course aims to provide a broad description of the sources and levels of radioactivity and the chemical behaviour and dispersion of radionuclides in the environment. Methods for monitoring radioactivity and radionuclides in the hydrosphere and biosphere will also be described. The potential effects of natural radioactivity on human health will be discussed.
CHE 417 Sources of Pollutants and Pollutant Dispersion in the Environment (6 ECTS)
FEC(K)
Examination of the properties which determine the behaviour and dispersion of pollutants in the environment. Separation and distribution of pollutants between air and water, distribution of pollutants between organic phases and water, diffusion, adsorption, chemical and biological transformation reactions, and models.

CHE 418 Methods of Analysis and Quality Control of Food (6 ECTS)
FEC(K)

CHE 421 Advanced Inorganic Chemistry (Organometallic Chemistry) (5 ECTS)
OP(E), MC(K)
A) General Introduction to Organometallic Chemistry (definition, historical background, basic principles in organometallic chemistry, molecular orbital theory and the 18-electron rule, counting electrons in complexes, G-bonding, the most important applications of organometallic compounds). b) Classification and Reactivity of Organometallic Metal Complexes (metal carbonyl complexes, carbonyl hydride complexes, nitrosyl complexes, dinitrogen complexes, metal alkyls, carbenes, carbynes and carbides alkyl complexes, nonaromatic alkene and alkyn complexes, allyl complexes, pentadienyl complexes, metallocenes, arene complexes, substitution reactions, oxidative addition, reductive elimination, insertion and elimination, nucleophilic and electrophilic attack of coordinated ligands). c) Catalysis by Organometallic Compounds (alkene hydrogenation, Tolman catalytic loops, synthesis gas, hydroformylation, monsanto acetic acid process, the Wacker process, synthetic gasoline, Ziegler- Natta catalysis, immobilised homogeneous catalysts, A photodehydrogenation catalyst ‘platinum pop’).

CHE 422 Surface Chemistry (5 ECTS)
OP(E), MC(K)

CHE 423 Bioinorganic Chemistry (5 ECTS)
OP(E), BC(K)
General Information on Bioinorganic Chemistry (definition, historical background, basic principles in bioinorganic chemistry, occurrence and availability of inorganic elements in organisms, biological functions of inorganic elements, biological ligands for metal ions, aminoacids, peptides, proteins, glutathione, coordination of metal ions by oligopeptides and proteins, tetrapyrrole ligands and other macrocycles, nucleobases - nucleotides and nucleic acids (RNA, DNA) as ligands). b) The Most Important Biological Functions of Metal Ions (metalloporphyrins and respiration, dioxygen binding, transport and utilization, binding of dioxygen to myoglobin, physiology of myoglobin and hemoglobin, structure and function of hemoglobin, other biological dioxygen carriers, photosynthesis, chlorophyll and the photosynthetic reaction center, enzymes, structure and function, inhibition and poisoning, vitamin B12 and the B12 coenzymes, nitrogen fixation). c) The Biochemistry of Iron (ferrodoxins and rubredoxins, model compounds, availability of iron, competition for iron, selective binding of iron, siderophores, iron storage proteins). d) More Functions of Metal Ions in Biological Systems (trace elements in biological systems, 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 I (6 ECTS)
OP(K), BC(K), FEC(K), MC(K)

CHE 432 Biochemistry II (6 ECTS)
OP(K), BC(K)
The light reactions of photosynthesis: conversion of light energy to chemical energy, formation of ATP and storage of reducing power. The dark reactions of photosynthesis (Calvin cycle): conversion of CO2 to carbohydrates. The pentose phosphate pathway: formation of NADPH. Synthesis and degradation of glycogen and their coordinate regulation. Protein and amino acid

CHE 433 Organic Photochemistry (5 ECTS)
OP(E)

CHE 434 Biochemical and Molecular Techniques (5 ECTS)
OP(E)
An overview of current techniques in biochemistry and molecular biology. The theory as well as concise protocols of various techniques will be described: cloning of DNA in plasmids and bacteriophages, transformation and selection in bacteria, polymerase chain reaction (PCR), real time PCR, DNA sequencing, genomic DNA preparation, Southern analysis, production of genomic and cDNA libraries, RNA isolation. Northern analysis, RNase protection, in vitro transcription, reverse transcription and RT-PCR, DNA microarrays, protein purification. Western analysis, immunoprecipitation, yeast two hybrid system, ribozymes, RNA interference, tissue culture and transfection techniques, gene expression in mammalian cells, reporter assays, cell cycle analysis, growth curves, apoptosis, animal studies. Current research articles will be presented and analysed.

CHE 435 Retrosynthetic Analysis in Organic Chemistry (5 ECTS)
OP(E)
Basic principles; chemoselectivity; regioselectivity; strategy; C-C disconnections; two group disconnections (Diels Alder reactions, 1,3-bifunctional groups, 1,5-bifunctional groups, 1,2-bifunctional groups, 1,4-bifunctional groups); three membered rings; four membered rings; five membered rings; six membered rings.

CHE 436 Introduction to Medicinal Chemistry (5 ECTS)
OP(E), BC(K)
Classification of drugs; protein and nucleic acids structure; drug action at enzymes, receptors, and nucleic acids (DNA/RNA); drug development; pharmacodynamics; quantitative structure-activity relationships (QSAR); antibacterial agents; the peripheral nervous system: cholinergics, anticholinergics, and anticholinesterases; the opium analgesics; rational approach to drug design.

CHE 437 Introduction to Computational Chemistry (5 ECTS)
OP(E), BC(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 Introduction to Supramolecular Chemistry (5 ECTS)
MC(K)

CHE 440 Chemical Technology Laboratory (6 ECTS)
OP(K), MC(K)

CHE 441 Chemical Technology (6 ECTS)
OP(K), MC(K)

CHE 442 Special Topics in Physical Chemistry (5 ECTS)
OP(E)
CHE 443 Polymer Chemistry (5 ECTS)
OP(E), MC(K)

CHE 445 Catalysis (5 ECTS)
OP(E), MC(K)

CHE 446 Special Topics in Molecular Spectroscopy (5 ECTS)
OP(E), BC(K), MC(K)
Raman Spectroscopy: basic theory: origin of Raman spectra, selection rules, depolarisation ratios, symmetry and selection rules, Resonance Raman spectra, calculation of force constants via normal coordinate analysis, band assignments, Experimental setups and considerations, Special techniques of Raman spectroscopy: high-pressure Raman spectroscopy, Raman microscopy, surface-enhanced Raman spectroscopy, time-resolved Raman spectroscopy, matrix isolation Raman spectroscopy, 2D correlation Raman spectroscopy, Raman imaging spectrometry, non-linear Raman spectroscopy, Applications of Raman: spectroscopy in various chemical fields, materials, analytical chemistry, biochemistry and medicine, industry, environment.

- Courses offered to students of other departments
CHE 021 Introductory Chemistry (for Biologists and Physicists) (6 ECTS)

CHE 030 Organic Chemistry Lab for Students of Biology (6 ECTS)

CHE 031 Organic Chemistry for Students of Biology (6 ECTS)
### Older Analytical Programme of Studies

#### 2nd Year

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#### Elective Courses from the Department of Chemistry

- CHE 412 Environmental Chemistry
- CHE 413 Specific Topics in Qualitative and Quantitative Analysis
- CHE 414 Metallic Ions in Biological Systems, Environment and Health
- CHE 415 Bioanalytical Chemistry
- CHE 421 Advanced Inorganic Chemistry (Organometallic Chemistry)
- CHE 422 Surface Chemistry
- CHE 423 Bioinorganic Chemistry
- CHE 433 Organic Photochemistry
- CHE 434 Biochemical and Molecular Techniques
- CHE 435 Retrosynthetic Analysis in Organic Chemistry
- CHE 436 Introduction to Medicinal Chemistry
- CHE 437 Introduction to Computational Chemistry
- CHE 442 Special Topics in Physical Chemistry
- CHE 443 Polymer Chemistry
- CHE 445 Catalysis
- CHE 446 Special Topics in Molecular Spectroscopy
## 1st Year

### 1st semester

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## 2nd semester

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## 2nd Year

### 3rd semester

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### ECTS

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### ECTS

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### ECTS

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## 4th Year

### 6th semester

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## Materials Chemistry

### 6th semester

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### ECTS

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### 4th Year

#### 7th semester BIOLOGICAL CHEMISTRY
- CHE 401: Diploma Thesis in Biological Chemistry I 3 ECTS
- CHE 432: Biochemistry II 6 ECTS
- CHE 446: Special Topics in Molecular Spectroscopy 6 ECTS
- CHE 430: Biochemistry Laboratory 5 ECTS
- Elective Course III 5 ECTS
- Elective Course IV 5 ECTS

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<tr>
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#### 7th semester FOOD AND ENVIRONMENTAL CHEMISTRY
- CHE 403: Diploma Thesis in Food Chemistry and Environmental Chemistry I 3 ECTS
- CHE 415: Bioanalytical Chemistry 6 ECTS
- CHE 410: Food and Environmental Chemistry Laboratory 5 ECTS
- CHE 412: Environmental Chemistry 6 ECTS
- Elective Course III 5 ECTS
- Elective Course IV 5 ECTS

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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#### 7th semester MATERIALS CHEMISTRY
- CHE 405: Diploma Thesis in Materials Chemistry I 3 ECTS
- CHE 422: Surface Chemistry 6 ECTS
- CHE 440: Chemical Technology Laboratory 6 ECTS
- CHE 446: Special Topics in Molecular Spectroscopy 5 ECTS
- Elective Course III 5 ECTS
- Elective Course IV 5 ECTS

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### 8th semester BIOLOGICAL CHEMISTRY
- CHE 402: Diploma Thesis in Biological Chemistry II 6 ECTS
- CHE 415: Bioanalytical Chemistry 6 ECTS
- CHE 423: Bioinorganic Chemistry 6 ECTS
- CHE 436: Introduction to Medicinal Chemistry 6 ECTS
- CHE 437: Introduction to Computational Chemistry 6 ECTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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### 8th semester FOOD AND ENVIRONMENTAL CHEMISTRY
- CHE 404: Diploma Thesis in Food Chemistry and Environmental Chemistry II 6 ECTS
- CHE 416: Environmental radiochemistry 6 ECTS
- CHE 417: Sources of pollutants and pollutant dispersion in the environment 6 ECTS
- CHE 423: Bioinorganic Chemistry 6 ECTS
- CHE 418: Methods of analysis and quality control of food 6 ECTS

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<tr>
<td>CHE 418</td>
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### 8th semester MATERIALS CHEMISTRY
- CHE 406: Diploma Thesis in Materials Chemistry II 6 ECTS
- CHE 438: Introduction to Supramolecular Chemistry 6 ECTS
- CHE 421: Advanced Inorganic Chemistry (Organometallic Chemistry) 6 ECTS
- CHE 443: Polymer Chemistry 6 ECTS
- CHE 445: Catalysis 6 ECTS

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**TOTAL** 240 ECTS
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Faculty of Pure and Applied Sciences
DEPARTMENT OF COMPUTER SCIENCE
CHAIRPERSON
George Samaras

VICE CHAIRPERSON
Marios D. Dikaiakos

PROFESSORS
Paraskevas Evripidou
Antonis C. Kakas
Marios Mavronicolas
George A. Papadopoulos
Elpida Keravnou-Papailiou
Constantinos S. Pattichis
Andreas Pitsillides
George Samaras
Christos N. Schizas

ASSOCIATE PROFESSORS
Yiorgos Chrysanthou
Marios D. Dikaiakos
Yannis Dimopoulos

ASSISTANT PROFESSORS
Andreas Andreou
Chris Christodoulou
Anna Philippou
Yiannos Sazeides
Pedro Trancoso
Vasos Vassiliou

LECTURERS
Chryssis Georgiou
George Pallis
Demetris Zeinalipour
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, and the generation, maintenance and optimisation of software and hardware systems for designing high performance computers. Computer Science also focuses on questions about reasoning, conversing and planning, modelling of the functioning of the brain, and 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:

(a) To participate in international research in Computer Science;
(b) To disseminate, through its teaching and international activities, knowledge relating to all aspects of Computer Science; and
(c) To promote the effective application of Information Technology within local industry and economy.

The aim of the Department of Computer Science is to prepare graduates who will be capable of rising 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, and graduates are seen as a convenient vehicle for a continuing 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 develops the concept of virtual or abstract machines.
(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.

As from the academic year 2008-2009, the Department of Computer Science is offering two directions:
- Computer Science: General Direction, and
- Computer Systems and Networks

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.

Almost all courses offered by the Department in the first four semesters are compulsory and common to 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.

The Department will also offer a third direction of studies in the near future in the area of Software Engineering. In addition, it is anticipated that the Department will collaborate with other departments and faculties of the University in offering interdisciplinary programmes.

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

Common Compulsory Courses

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 C language. Global overview of the C language with emphasis on data types, control structures, data structures, functions and modular programming.

CS 132 Programming Principles II (7.5 ECTS)
Advanced programming techniques and methodologies based on the C language. Topics include static and dynamic memory management, file management, pointers, recursion, dynamic data structures and the C pre-processor. Introduction to the object-oriented programming model through the C++ language with emphasis on objects, abstraction and encapsulation, methods, classes and class inheritance.

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 beginning and reaching its current state. 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 Language 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 324 Communications and Networks (7.5 ECTS)
Data and computer communication fundamentals. Protocols, local and wide area networks. Open systems such as the Internet. TCP/IP protocol suite: Layer. Introduction to network and protocol performance evaluation.

CS 342 Databases (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-relationship model, the relational model, the network model and the hierarchical model.

Compulsory Courses for the General Direction

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 336 Algorithms and Complexity (7.5 ECTS)
Topics in the design and analysis of efficient algorithms and their complexity. General techniques of algorithmic design (e.g., divide-and-conquer, backtracking, dynamic programming). Significant algorithms in Graph Theory, Algebra, Geometry, Number Theory, Combinatorics and Game Theory. Randomised algorithms. Approximation algorithms. Online algorithms. Lower bounds. Fast Fourier Transform. Advanced topics (such as sorting networks, cryptographic algorithms).

CS 341 Artificial Intelligence (7.5 ECTS)
Problem solving techniques in Artificial Intelligence. Formal methods of knowledge representation. Specific application areas such as multi-agent systems, robotics, expert systems, machine learning and natural language processing. Problems of current focus and investigation in Artificial Intelligence. Links between Artificial Intelligence and other fields of Computer Science such as Distributed Systems, Databases and Multimedia.

CS 361 Software Engineering (7.5 ECTS)
Methods, tools, and procedures for the development and maintenance of large-scale software systems within specified quality and cost constraints. Life-cycle models, specification techniques, software development methodologies, verification and validation, CASE and other tools. Project planning and management. Practical experience with CASE tools for modelling data and procedures.

Compulsory Courses for the Direction of Computer Systems and Networks

CS 370 Computer Architecture (7.5 ECTS)
Introduction to the state-of-the-art uniprocessor, high performance computer architecture. Emphasis on quantitative analysis and cost/performance trade-offs in the design of the basic units of a processor: instruction set, pipelining, memory system, and input/output systems. Qualitative analysis and their performance data.

CS 371 System Programming (7.5 ECTS)

CS 372 Parallel Processing (7.5 ECTS)
The entire spectrum of parallel machines as appearing in Flynn’s classification: SISD, SIMD, MISD, MIMD. The main approaches for design and operation of multiprocessor systems. Conventional and non-conventional machines (Data-flow and reduction). Parallel programming approaches: a) Automatic-parallelising compilers, b) Extending serial languages with parallelising constructs, c) Parallel languages for Functional Programming. Special emphasis on parallel architectures and parallel programming.

CS 375 Advanced Networks (7.5 ECTS)

Restricted Elective Courses for both directions

CS 422 Multimedia, Hypermedia and Cyberspace (7.5 ECTS)
Introduction to multimedia, hypermedia and the development of applications for telecooperation systems via computers. User interfaces, methods of communication and cooperation among the users, design of shared workspace, combining information. Emphasis on applications built on top of Internet and the World Wide Web.
CS 423 Microprocessor Systems (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 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 with little or no prior agreements.

CS 431 Synthesis of Parallel Algorithms (7.5 ECTS)

CS 432 Distributed Algorithms (7.5 ECTS)
Formal models of distributed computing: shared memory versus message passing, determinism versus randomisation, concepts of synchronism, asynchrony and real-time. Design and analysis of distributed algorithms and impossibility/improbability results for fundamental problems such as mutual exclusion, consensus, synchronisation, leader election, construction of minimum spanning trees. Fault tolerance: Byzantine generals, wait-free algorithms, fault degrees. Formal methods for proving correctness of distributed algorithms. Advanced topics. Special emphasis throughout the course on lower and upper bounds on time and memory.

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 441 Advanced Topics in Software Engineering (7.5 ECTS)

CS 445 Digital Image Processing (7.5 ECTS)

CS 448 Intelligent Agents and Multi-Agent Systems (7.5 ECTS)

Restricted Elective Courses for the General Direction

CS 411 Semantics of Programming Languages (7.5 ECTS)
Basic types of semantics of programming languages: procedural, declarative and axiomatic. Relations among these basic types. Formal concepts of semantics and their applications to common programming languages. Introduction to Field Theory and Information Systems within the framework of semantics of programming languages.

CS 412 Logic in Computer Science (7.5 ECTS)

CS 413 Computational Geometry (7.5 ECTS)
CS 426 Computer Graphics (7.5 ECTS)
Scene construction, scene hierarchies, camera specification, projections of primitives, clipping, visible surface determination, polygon rasterisation (z-buffer), texture mapping, local and global illumination, shadows, ray tracing, radiosity, real-time acceleration techniques.

CS 433 Constraint Programming and Satisfaction (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 442 Computational Learning Systems (7.5 ECTS)
Theoretical and practical training in the analysis, development and implementation of computational learning systems. Study of the basic methods of Machine Learning, including classical statistical methods such as Bayes rule, discriminant and cluster analysis; artificial neural network methods such as supervised and unsupervised networks; reinforcement learning; genetic algorithms.

CS 443 Artificial Intelligence and Expert Systems (7.5 ECTS)
Artificial Intelligence from the perspective of problem solving through search and the use of heuristics, knowledge representation and reasoning. C basic concepts, predicate logic, associative networks, frams, production rules. Information Systems that represent expert knowledge as a main application area of techniques of Artificial Intelligence. "Embodiment" of specialised knowledge in Expert Systems with high level of competence. Applications of the Expert Systems Technology in various disciplines, such as Engineering, Medicine, Finance, etc. Appreciation of the nature of human expertise and the technology of Expert Systems.

CS 444 Computational Intelligent Systems (7.5 ECTS)

CS 446 Advanced Databases (7.5 ECTS)
Theoretical approach to logical and physical design of databases. Algorithms for logical and physical design of databases. Primary and secondary indexing techniques. Advanced query processing and query optimisation. Query parallelism. Concurrency control and recovery, integrity and security of data. Distributed databases and introductory concepts, distributed transaction processing involving multiple and heterogeneous databases. Problems of interfacing a database with software.

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 450 Computational Biology (7.5 ECTS)

Restricted Elective Courses for the Direction of Computer Systems and Networks

CS 424 Digital Signal Processing (7.5 ECTS)

CS 449 E-Business / E-Commerce (7.5 ECTS)
In-depth study of the technologies used for e-Business/e-Commerce. Fundamentals of the Internet and WWW technologies protocols such as TCP/IP, HTTP, HTML. Study of the different operational models and strategies of e-Commerce and practical experience with systems such as Javascript, Java, DHTML, ASP, PHP, Websphere, and NET. Study of e-Government that covers electronic transactions between public authorities and citizens/business. System security such as access security and cryptographic security, electronic signature and electronic payments.

CS 470 Design of Embedded Systems
A review of embedded system processors. Organization of embedded systems: CPUs, RAM, ROM, buses, peripherals, sensors, actuators, interfacing. Examples of widely used processors buses and peripherals. Interfacing with peripherals: sampling, interrupts, advantages and disadvantages. Process distribution between hardware and software. Tools for the development of embedded systems and real time operating systems. Hands on experience with the development and implementation of embedded systems.

CS 475 Network and Information Security
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
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.

Note: As one of the required restricted elective courses of the direction, the student may choose a course (6 ECTS) offered by the Department of Electrical and Computer Engineering. In order to cover the remaining 1.5 ECTS the student will have to take an independent study course.

Courses offered for 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 as well. Each of the courses for other Departments carries 5, 6 or 7 ECTS. 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.

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 and methods for making it valuable to other sciences and applications. Practical experience with application packages. Basic development of algorithmic thinking and programming in a fourth generation language such as Logo.

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 and methods for making it valuable to other sciences and applications. The UNIX operating system. Practical experience with application packages and the UNIX environment. Basics of programming and development of algorithmic thinking.

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 Engineers (5 ECTS)
Basic principles of programming with emphasis on structured programming, abstraction, and the 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 Programming Principles for Electrical and Computer Engineers (7 ECTS)
Presentation of the software development process and introduction to the basic principles of programming and programme design using the C language. Global overview of the C language with emphasis on data types, control structures, data structures, functions and modular programming.

CS 035 Data Structures and Algorithms for Electrical and Computer Engineers (7 ECTS)
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<th>Course Title</th>
<th>ECTS</th>
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<tr>
<td><strong>1st semester</strong></td>
<td>CS 111</td>
<td>Discrete Structures in Computer Science and Computation</td>
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<td>CS 131</td>
<td>Programming Principles I</td>
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<td>CS 121</td>
<td>Digital Systems</td>
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<td>CS 132</td>
<td>Programming Principles II</td>
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<td>CS 221</td>
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<td>Introduction to Probability and Statistics</td>
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<td>PBA 131</td>
<td>Principles of Management</td>
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<td><strong>4th semester</strong></td>
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<td>Theory of Computation and Complexity</td>
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<td>CS 241</td>
<td>Systems Analysis and Design</td>
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<td><strong>5th semester</strong></td>
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<td>CS 342</td>
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<td>CS 361</td>
<td>Software Engineering</td>
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<td><strong>6th semester</strong></td>
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<tr>
<td><strong>7th semester</strong></td>
<td>CS 400</td>
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<td>Restricted elective course within the Direction</td>
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<td><strong>8th semester</strong></td>
<td>CS 401</td>
<td>Diploma Project II</td>
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**Restricted Elective Courses – Computer Science: General Direction**

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Programme of Studies – Direction of Computer Systems and Networks

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6th semester

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8th semester

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<td>Restricted elective course within the Direction</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td>300 or 400 level Computer Science course</td>
<td>7.5</td>
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</tr>
<tr>
<td>Elective course</td>
<td></td>
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</tr>
</tbody>
</table>

Restricted Elective Courses – Direction of Computer Systems and Networks

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CS 323</td>
<td>Theory and Practice of Compilers</td>
</tr>
<tr>
<td>CS 361</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>CS 424</td>
<td>Digital Signal Processing</td>
</tr>
<tr>
<td>CS 425</td>
<td>Internet Technologies</td>
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<tr>
<td>CS 431</td>
<td>Synthesis of Parallel Algorithms</td>
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<tr>
<td>CS 432</td>
<td>Distributed Algorithms</td>
</tr>
<tr>
<td>CS 445</td>
<td>Digital Image Processing</td>
</tr>
<tr>
<td>CS 448</td>
<td>Intelligent Agents and Multi-Agent Systems</td>
</tr>
<tr>
<td>CS 449</td>
<td>E-Business/E-Commerce</td>
</tr>
<tr>
<td>CS 470</td>
<td>Design of Embedded Systems</td>
</tr>
<tr>
<td>CS 475</td>
<td>Network and Information Security</td>
</tr>
<tr>
<td>CS 476</td>
<td>Wireless Networks</td>
</tr>
<tr>
<td>ECE 406</td>
<td>VLSI Design (6 ECTS)*</td>
</tr>
<tr>
<td>ECE 408</td>
<td>Digital Design with FPGA (6 ECTS)*</td>
</tr>
<tr>
<td>ECE 427</td>
<td>Embedded and Real-Time Systems (6 ECTS)*</td>
</tr>
<tr>
<td>ECE 453</td>
<td>Wireless Telecommunications Networks (6 ECTS)*</td>
</tr>
</tbody>
</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.
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讲师
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教授退休
Nicolas Papamichael
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 for 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 studies. 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 A) and are not open to Mathematics or Statistics majors (except MAS 007; 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) Fifteen 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

2) Two courses from the following:
   MAS 303 Partial Differential Equations
   MAS 304 Functional Analysis
   MAS 371 Numerical Analysis II

3) Course CS 031 Introduction to Programming (7 ECTS)

4) 15-25 ECTS must be elective courses from other departments.

   These departments should be from three different faculties. Only one first-level foreign language course can be chosen as an “elective course”.

5) Students are required to take two foreign language courses (in any language)

6) 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
   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  
MAS 303 Partial Differential Equations  
MAS 304 Functional Analysis  
MAS 371 Numerical Analysis II  
Selection of at least three courses from the list below:  
(a) MAS 471 Numerical Solution of Ordinary Differential Equations  
(b) MAS 472 Numerical Solution of Partial Differential Equations  
(c) MAS 481 Applied Mathematical Analysis  
(d) MAS 482 Classical Mechanics  
(e) MAS 483 Fluid Mechanics  
The remaining four courses may be in any area of specialisation.

Students choose their area of specialisation during the fall semester of their third 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 out of the Department, that they choose to take.

Indicative programmes of study for the Degree in Mathematics with emphasis in Pure Mathematics, with emphasis in Applied Mathematics and for the Degree in Mathematics and Statistics are given in Tables C1, C2 and C3, respectively.

Two of the elective courses from other departments could be substituted by MAS 007 History of Mathematics (5 ECTS) and MAS 499 Independent Study (7 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 251 or MAS 252, MAS 271, MAS 007 and an additional course of 7 ECTS.

DESCRIPTION OF COURSES

MAS 101 Calculus I (8 ECTS)
Properties of real numbers. The basic properties of supA, infA. Sequences of real numbers, limits of sequences. Real valued functions, the inverse of a function, limits of functions, continuous functions, uniform continuity, the Intermediate Value Theorem, the Extreme Value Theory. Derivatives, graphs of functions, the Mean value theorem, L'Hopital's rule.

MAS 102 Calculus II (8 ECTS)

MAS 121 Linear Algebra I (8 ECTS)

MAS 122 Linear Algebra II (8 ECTS)

MAS 131 Basic Mathematics (8 ECTS)

MAS 191 Mathematics with Computers (8 ECTS)

MAS 201 - Multivariate Differential Calculus (8 ECTS)

MAS 202 Multivariate Integral Calculus (8 ECTS)

MAS 203 Ordinary Differential Equations (8 ECTS)

MAS 223 Number Theory (7 ECTS)

MAS 261 Introduction to Probability (8 ECTS)
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 271 Numerical Analysis I (8 ECTS)
Propagation and estimation of errors: Floating-point arithmetic - Rounding error analysis - Loss of significance - Stability and condition of problems and algorithms - The symbolism - Richardson extrapolation. The solution of nonlinear equations: Fixed-point iteration - Order of convergence and asymptotic error constant - The Newton and the secant methods - Multiple roots - Always convergent methods (the bisection and the regula falsi methods) - Aitken’s acceleration process. Solution of linear systems: Direct methods (Gauss elimination and LU-decomposition) - The need for partial pivoting and for scaling - 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. Interpolation and quadrature: Lagrange interpolation (Existence and uniqueness - Cardinal and Newton representations of the interpolating polynomial - The error of the interpolating polynomial) - Hermite interpolation (Existence and uniqueness - Cardinal representation of the interpolating polynomial - The error of the interpolating polynomial) - Newton-Cotes quadrature rules - The precision of a quadrature rule - Detailed description and analysis of the trapezoidal 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 metric spaces. 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 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.

**MAS 321 Introduction to Algebra** (7 ECTS)

**MAS 331 Classical Differential Geometry** (8 ECTS)

**MAS 350 Stochastic Processes** (7 ECTS)
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 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 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 positive 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. L^p Spaces: The basic theory, the dual of L^p, the useful inequalities, the distribution function, weak – L^p spaces, interpolation.

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

**MAS 403-Ordinary Differential Equations II**

**MAS 418 Introduction to Fourier Analysis** (7 ECTS)
Inner products, Hilbert spaces, orthogonal systems, completeness, periodic functions, trigonometric polynomials, Fourier series, pointwise convergence, the Dirichlet theorem, Gibb’s phenomenon, Parseval theorem, Cesàro and Abel summability, the Fejer and Poisson theorems, the Riemann – Lebesgue Lemma, convergence of special trigonometric series, the local Riemann theorem. Differentiation and integration of Fourier series, Fourier transform, Plancherel’s formula, convolution, applications to Partial Differential Equations.

**MAS 419 Topics in Analysis** (7 ECTS)
Topics from real analysis, complex analysis, harmonic analysis or differential equations.

**MAS 422 Introduction to Coding Theory** (7 ECTS)

**MAS 424 Theory of Rings and Modules** (7 ECTS)

**MAS 425 Theory of Groups** (7 ECTS)
MAS 426 Galois Theory (7 ECTS)

MAS 427 Group Representation Theory (7 ECTS)
Representations. FG - modules, FG - submodules, FG - homomorphisms. Maschkeå’s Theorem and Schurå’s Lemma. Irreducible modules. The group algebra, the centre of the group algebra. Characters, relation between characters and representations.

MAS 429 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 from differential geometry, algebraic geometry and algebraic topology.

MAS 441 Linear Models I (7 ECTS)

MAS 451 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 454 Nonparametric Statistics (7 ECTS)
Order statistics and their distributions. Sign tests, rank tests, confidence intervals, tolerance regions. Rank correlation

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)

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 statistics and probability.

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's equation.

**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, transportation. Extensive use of computer software is made throughout the course.

**MAS 497, MAS 498 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. The emphasis is 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.

**MAS 499 Independent Study (7 ECTS)**
An independent study with sufficient elements of initiative and novelty under the guidance of a faculty member.

**Courses offered to other departments**

**MAS 001 Mathematics I (6 ECTS)**
Functions, Limits, Continuity, Differentiation, Applications of differentiation, Integration, Applications of integration, Logarithmic and exponential functions.

**MAS 002 Mathematics II (6 ECTS)**

**MAS 004 Introductory Mathematics for Physics I (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)**
Variable topics from ancient Greek mathematics, the Middle Ages and the modern era.

**MAS 014 Introductory Mathematics I (6 ECTS)**

**MAS 015 Introductory Mathematics II (6 ECTS)**

**MAS 016 Linear Algebra for Computer Science (8 ECTS)**
Type I and II errors. Testing for the mean for small and large samples, testing for the difference of the means. Testing for the variance and the ratio of variances, Testing for proportions. Simple linear regression, analysis of variance.

MAS 041 Calculus I 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)
Probability, Random variables, Probability density function, Distributions, Independence, Expectation, Moment generating functions, Convergence of random variables, Limit theorems, Point estimation, sufficiency, completeness, confidence intervals, Exponential families of distributions, Statistical hypotheses, X2 tests, Simple linear regression, analysis of variance.

MAS 061 Statistical Analysis I (6 ECTS)
Descriptive statistics, probability models, Random variables, expected value, sampling, Central Limit Theorem, Estimation, confidence intervals, hypothesis testing, Introduction to regression analysis.

MAS 062 Statistical Analysis II (6 ECTS)
Regression analysis, Analysis of qualitative data, X2 tests, Analysis of variance, Nonparametrics, Time Series, Decision Theory.

MAS 066 Biostatistics
Population distributions, samples, frequency distributions, descriptive statistics, histograms, pies, numerical statistics, mean, mode, median, variation, range, percentiles, variance, standard deviation, coefficient of variation, Estimation, point estimates, confidence intervals for the mean (large and small samples), confidence intervals for the variation (large and small samples), confidence intervals for the difference between two means (paired – unpaired), confidence intervals for the ratio of the variances of two normal distributed populations, Hypothesis testing, statistical significance, null hypothesis – alternative hypothesis, error of the first (a) and second kind (b), test for the mean (large and small samples), test for the difference between two means (large and small samples), paired significance testing, significance testing for the variation, comparing the variation of two populations, Analysis of variance (ANOVA), Non – parametric tests, test of homogeneity, the sign test, the Kolmogorov-Smirnov test, rank sum test, Wilcoxon test, Mann-Whitney test, Kruskal-Wallis test. Qualitative variables, nominal – ordinal, comparison of a sample ration with a given one, paired and unpaired comparison of the rations between two samples, chi-square analysis (X2), comparison of rations between «s» samples with «k» categories.
<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
<th>Pure Mathematics</th>
<th>Applied Mathematics</th>
<th>Statistics</th>
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<tbody>
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<tr>
<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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<tr>
<td>MAS 468 Topics in Probability-Statistics I</td>
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<tr>
<td>MAS 469 Topics in Probability-Statistics II</td>
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<tr>
<td>MAS 471 Numerical Solution of Ordinary Differential Equations</td>
<td>7</td>
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<tr>
<td>MAS 472 Numerical Solution of Partial Differential Equations</td>
<td>7</td>
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<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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<tr>
<td>MAS 483 Fluid Mechanics</td>
<td>7</td>
<td>●</td>
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<tr>
<td>MAS 484 Introduction to Mathematical Modelling</td>
<td>7</td>
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<tr>
<td>MAS 497/498 Mathematical Problem Solving Techniques</td>
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<td>MAS 499 Independent Study</td>
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▲ = Compulsory Courses / ● = At least three out of five courses are to be selected / ● = two out of six courses are to be selected / + = two out of three courses are to be selected / ▶️ = It can replace an elective course from other departments.

Note: Courses with no symbols are considered free electives within the Department.
### TABLE B: COURSES FOR OTHER DEPARTMENTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
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<th>ECTS</th>
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<tr>
<td>MAS 001</td>
<td>Mathematics I</td>
<td>ECO, PBA, BIO</td>
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<tr>
<td>MAS 002</td>
<td>Mathematics II</td>
<td>PBA</td>
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<tr>
<td>MAS 004</td>
<td>Introductory Mathematics for Physics I</td>
<td>PHY</td>
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<tr>
<td>MAS 005</td>
<td>Introductory Mathematics for Physics II</td>
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<td>MAS 006</td>
<td>Complex Analysis for Physics Majors</td>
<td>PHY</td>
<td>7.5</td>
</tr>
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<td>MAS 007</td>
<td>History of Mathematics</td>
<td>MAS, EDU, «Ε»*</td>
<td>5</td>
</tr>
<tr>
<td>MAS 014</td>
<td>Introductory Mathematics I</td>
<td>CHE</td>
<td>6</td>
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<td>MAS 015</td>
<td>Introductory Mathematics II</td>
<td>CHE</td>
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<td>MAS 016</td>
<td>Linear Algebra for Computer Science</td>
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<td>MAS 017</td>
<td>Calculus Algebra for Computer Science</td>
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<td>Calculus II</td>
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<td>MAS 023</td>
<td>Linear Algebra and Topics in Multivariate Calculus</td>
<td>ECE</td>
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<td>MAS 024</td>
<td>Ordinary Differential Equations</td>
<td>ECE</td>
<td>6</td>
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<td>MAS 031</td>
<td>Calculus I</td>
<td>CEE</td>
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<td>MAS 032</td>
<td>Linear Algebra</td>
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<tr>
<td>MAS 033</td>
<td>Engineering Mathematics</td>
<td>CEE</td>
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<tr>
<td>MAS 034</td>
<td>Probability and Statistics for Engineers</td>
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<td>MAS 041</td>
<td>Calculus I for MME</td>
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<tr>
<td>MAS 042</td>
<td>Linear Algebra for MME</td>
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</tr>
<tr>
<td>MAS 043</td>
<td>Engineering Mathematics for MME</td>
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<td>6</td>
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<tr>
<td>MAS 044</td>
<td>Probability and Statistics for Engineers</td>
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<tr>
<td>MAS 051</td>
<td>Statistical Methods</td>
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<td>MAS 055</td>
<td>Introduction to Probability and Statistics</td>
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<td>MAS 061</td>
<td>Statistical Analysis I</td>
<td>ECO, PBA</td>
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<td>MAS 062</td>
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<td>MAS 066</td>
<td>Biostatistics</td>
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**Note:** "Ε" = Free Elective Course
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<tr>
<td>1st semester</td>
<td>MAS 101 Calculus I</td>
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<tr>
<td></td>
<td>MAS 131 Basic Mathematics</td>
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<tr>
<td></td>
<td>MAS 121 Linear Algebra I</td>
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<td>Foreign Language Course I</td>
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<tr>
<td>2nd semester</td>
<td>MAS 102 Calculus II</td>
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<tr>
<td></td>
<td>MAS 122 Linear Algebra II</td>
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<tr>
<td></td>
<td>CS 031 Introduction to Programming</td>
<td>7</td>
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<tr>
<td></td>
<td>MAS 191 Mathematics with Computers</td>
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<td></td>
<td><strong>TOTAL:</strong></td>
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<tr>
<td>3rd semester</td>
<td>MAS 201 Multivariate Differential Calculus</td>
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<tr>
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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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<tr>
<td>4th semester</td>
<td>MAS 202 Multivariate Integral Calculus</td>
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<td>MAS 203 Ordinary Differential Equations</td>
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<td>MAS 262 Introduction to Statistics</td>
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<td></td>
<td>MAS XX* Elective course within the Department</td>
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<td><strong>TOTAL:</strong></td>
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<tr>
<td>5th semester</td>
<td>MAS 301 Real Analysis</td>
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<td>Elective Course I**</td>
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<td></td>
<td>(e.g. MAS 303 Partial Differential Equations)</td>
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<td>MAS 321 Introduction to Algebra</td>
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<td></td>
<td>PHY 111 General Physics I</td>
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<tr>
<td>6th semester</td>
<td>MAS 302 Complex Analysis I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 331 Classical Differential Geometry</td>
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<td></td>
<td>MAS XX* Elective course within the Department</td>
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<td>Elective Course II** (e.g. MAS 304 Functional Analysis)</td>
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<td>7th semester</td>
<td>MAS 433 Introduction to Algebra Topology</td>
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<td>Elective course from other departments</td>
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<tr>
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<td>Elective course from other departments</td>
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<tr>
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<td>Elective course from other departments</td>
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<td></td>
<td><strong>TOTAL:</strong></td>
<td><strong>29</strong></td>
</tr>
<tr>
<td>8th semester</td>
<td>MAS XX* Elective course within the Department</td>
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<td>MAS XX* Elective course within the Department</td>
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<tr>
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<td>MAS XX* Elective course within the Department</td>
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<td></td>
<td><strong>TOTAL:</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

**Note:**

* MAS XX = Elective course within the Department

**Selection of at least two courses from the list below:**
(a) MAS 304 Functional Analysis
(b) MAS 303 Partial Differential Equations
(c) MAS 371 Numerical Analysis II
### 1st semester
- **MAS 101 Calculus I** 8 ECTS
- **MAS 131 Basic Mathematics** 8 ECTS
- **MAS 121 Linear Algebra I** 8 ECTS
- **Foreign Language Course I** 5 ECTS
- **TOTAL:** 29 ECTS

### 2nd semester
- **MAS 102 Calculus II** 8 ECTS
- **MAS 122 Linear Algebra II** 8 ECTS
- **CS 031 Introduction to Programming** 7 ECTS
- **MAS 191 Mathematics with Computers** 8 ECTS
- **TOTAL:** 31 ECTS

### 3rd semester
- **MAS 201 Multivariate Differential Calculus** 8 ECTS
- **MAS 251 Probability I** 8 ECTS
- **MAS 271 Numerical Analysis I** 8 ECTS
- **Foreign Language Course II** 5 ECTS
- **TOTAL:** 29 ECTS

### 4th semester
- **MAS 202 Multivariate Integral Calculus** 8 ECTS
- **MAS 203 Ordinary Differential Equations** 8 ECTS
- **MAS 252 Statistics I** 8 ECTS
- **MAS XX* Elective course within the Department** 7 ECTS
- **TOTAL:** 31 ECTS

### 5th semester
- **MAS 301 Real Analysis** 8 ECTS
- **MAS 303 Partial Differential Equations** 7 ECTS
- **MAS 371 Numerical Analysis II** 7 ECTS
- **PHY 111 General Physics I** 8 ECTS
- **TOTAL:** 29 ECTS

### 6th semester
- **MAS 302 Complex Analysis I** 8 ECTS
- **MAS 331 Classical Differential Geometry** 8 ECTS
- **MAS XX** 7 ECTS
- **MAS XX* Free elective within the Department** 7 ECTS
- **TOTAL:** 29 ECTS

### 7th semester
- **MAS XX** 7 ECTS
- **MAS 304 Functional Analysis** 7 ECTS
- **Elective course from other departments** 5 ECTS
- **Elective course from other departments** 5 ECTS
- **TOTAL:** 29 ECTS

### 8th semester
- **MAS XX** 7 ECTS
- **MAS XX* Elective course within the Department** 7 ECTS
- **MAS XX** 7 ECTS
- **Elective course from other departments** 5 ECTS
- **TOTAL:** 31 ECTS

---

**Note:**
- **MAS XX = Elective course within the Department**
- **MAS = Selection of at least three courses from the list below:**
  1. **MAS 471 Numerical Solution of Ordinary Differential Equations**
  2. **MAS 472 Numerical Solution of Partial Differential Equations**
  3. **MAS 481 Applied Mathematical Analysis**
  4. **MAS 482 Classical Mechanics**
  5. **MAS 483 Fluid Mechanics**
### TABLE C3: INDICATIVE PROGRAMME OF STUDIES – STATISTICS

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
<th>ECTS</th>
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<tr>
<td><strong>1st semester</strong></td>
<td>MAS 101</td>
<td>Calculus I</td>
<td>8</td>
</tr>
<tr>
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<td>MAS 131</td>
<td>Basic Mathematics</td>
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<tr>
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<td>MAS 121</td>
<td>Linear Algebra I</td>
<td>8</td>
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<td>Foreign Language Course I</td>
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<td></td>
<td><strong>29</strong></td>
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<tr>
<td><strong>2nd semester</strong></td>
<td>MAS 102</td>
<td>Calculus II</td>
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<tr>
<td></td>
<td>MAS 122</td>
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<tr>
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<td>CS 031</td>
<td>Introduction to Programming</td>
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<tr>
<td></td>
<td>MAS 191</td>
<td>Mathematics with Computers</td>
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<td><strong>31</strong></td>
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<tr>
<td><strong>3rd semester</strong></td>
<td>MAS 201</td>
<td>Multivariate Differential Calculus</td>
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<td></td>
<td>MAS 251</td>
<td>Probability I</td>
<td>8</td>
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<td>MAS 271</td>
<td>Numerical Analysis I</td>
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<td>Foreign Language Course II</td>
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</tr>
<tr>
<td><strong>4th semester</strong></td>
<td>MAS 202</td>
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<td>MAS 203</td>
<td>Ordinary Differential Equations</td>
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<tr>
<td></td>
<td>MAS 252</td>
<td>Statistics I</td>
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<td><strong>31</strong></td>
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<tr>
<td><strong>5th semester</strong></td>
<td>MAS 301</td>
<td>Real Analysis</td>
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<td>MAS 361</td>
<td>Theory of Probability</td>
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<td>MAS 362</td>
<td>Theory of Statistics</td>
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<td>Elective Course I**</td>
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<td><strong>6th semester</strong></td>
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<td>Complex Analysis I</td>
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<td>MAS 331</td>
<td>Classical Differential Geometry</td>
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<td>MAS 350</td>
<td>Stochastic Processes</td>
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<td>MAS XX*</td>
<td>Elective course within the Department</td>
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<tr>
<td><strong>7th semester</strong></td>
<td>MAS 451</td>
<td>Linear Models I</td>
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<td>MAS XX*</td>
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<tr>
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</tr>
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<td>Elective course from other departments</td>
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<td><strong>29</strong></td>
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<tr>
<td><strong>8th semester</strong></td>
<td>MAS 452</td>
<td>Linear Models II</td>
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</tr>
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<td>MAS (Stat)***</td>
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<td>Elective Course II**</td>
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<td>Elective course from other departments</td>
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<td>Elective course from other departments</td>
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<tr>
<td><strong>TOTAL:</strong></td>
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<td></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

**Note:**

* MAS XX = Elective course within the Department

** Selection of at least two courses from the list below:
(a) MAS 303 Partial Differential Equations
(b) MAS 304 Functional Analysis
(c) MAS 371 Numerical Analysis II

*** MAS (Stat) *** = Selection from the list below:
(a) MAS 454 Nonparametric Statistics
(b) MAS 455 Sampling Theory
(c) MAS 456 Time Series
(d) MAS 458 Statistical Data Analysis
(e) MAS 459 Multivariate Analysis
(f) MAS 466 Survival Analysis
(g) MAS 468 Topics in Probability-Statistics I
(h) MAS 469 Topics in Probability-Statistics II
CHAIRPERSON
Andreas Othonos

VICE CHAIRPERSON
Georgios Archontis

PROFESSORS
Constantia Alexandrou
Constantinos Christofides
Haralambos Panagopoulos
Panos Razis
Haralambos Tsertos

ASSOCIATE PROFESSORS
Georgios Archontis
Konstantinos Moulopoulos
Photios Ptochos
Andreas Othonos
Spiros Skourtis
Stavros Theodorakis

ASSISTANT PROFESSORS
Nicolaos Toumbas

LECTURER
Gregorios Itskos
AIM OF THE DEPARTMENT

The aim of the Department is to promote research and knowledge 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 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 industry, carry out research in institutions in Cyprus and abroad, or teach in secondary education. In addition, the study of Physics provides students with an excellent way to acquire analytical and computational skills and learn to think and work methodically. Thus, Physics graduates are prepared for employment in any area where these skills are required, and not only in their areas of specialisation.

UNDERGRADUATE 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 two 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 Mathematics and Statistics, the Department of Chemistry and the Language Centre.

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 NAME</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 011 Modern Physics for Poets</td>
<td>5</td>
</tr>
<tr>
<td>PHY 101 Principles of Physics</td>
<td>6</td>
</tr>
<tr>
<td>PHY 102 Physics for Chemists</td>
<td>6</td>
</tr>
<tr>
<td>PHY 131 General Physics I: Mechanics and Waves and Thermodynamics</td>
<td>6</td>
</tr>
<tr>
<td>PHY 133 Classical and Quantum Mechanics</td>
<td>6</td>
</tr>
<tr>
<td>PHY 134 Physics for Engineers</td>
<td>5</td>
</tr>
<tr>
<td>PHY 012 Physics and Applications</td>
<td>5</td>
</tr>
<tr>
<td>PHY 132 General Physics II: Electricity and Electromagnetic and Optics</td>
<td>6</td>
</tr>
</tbody>
</table>

DESCRIPTION OF COURSES

PHY 011 Modern Physics for Poets (5 ECTS)

PHY 012 Physics and Applications (5 ECTS)

PHY 101 Principles of Physics (6 ECTS)

PHY 102 Physics for Chemists (6 ECTS)

PHY 111 General Physics I (8 ECTS)
The course is the first in a series of three introductory semester courses which aim at an understanding of the basic concepts and principles of Physics. Contents: Measurement units, numerical approximations, vectors, coordinate systems. Motion in one and more dimensions, velocity and acceleration, reference frames. Forces, Newton's laws. Work, mechanical energy. Momentum, centre of mass. Torque, angular momentum, moment of inertia. Oscillations. Universal gravitation, Kepler's laws. Wave equation, transverse and longitudinal waves. Phase and group velocity. Thermodynamics. Heat and the first and second law, Engines, Refrigerators and entropy, blackbody radiation, Planck's quantum hypothesis, photoelectric effect.

PHY 112 General Physics 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)

PHY 145 Computational Methods of Physics (7.5 ECTS)
a) Introduction: Operating system Linux/Unix, editor emacs/xemacs, plots using gnuplot, basic Fortran commands, numerical considerations. b) Ordinary differential equations: Numerical differentiation, initial-value problems, the Euler and
PHY 211 Classical Mechanics (7.5 ECTS)
Inertial frames of reference and generalised coordinates, Newtonian mechanics, Lagrangian formalism, conservation laws, motion in a central potential, gravitational fields, small amplitude oscillations, nonlinear oscillations and chaos, scattering, noninertial frames of reference, rigid bodies, Hamilton equations.

PHY 213 General Physics III (7.5 ECTS)
Wave equation, Transverse and longitudinal waves, Phase and group velocity, electromagnetic waves, Doppler effect for sound and light. Geometrical optics, Huygen’s and Fermat’s principle, optical instruments. Interference, Young’s experiment, Michelson’s interferometer, Michelson’s and Morley’s experiment, multiple-beam interference, Rayleigh’s resolution criterion, Fraunhofer diffraction, diffraction grating, Bragg’s law, polarisation, Malus’ law, Brewster’s law, double refraction, production of circular polarized light, blackbody radiation, Planck’s quantum hypothesis, photoelectric effect, Compton scattering, wave properties of matter, Bohr’s theory of the hydrogen atom, the correspondence principle.

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)
Introduction. Electrostatics. Special techniques for calculating potentials. Electrostatics fields in matter. Magnetostatics. Magnetostatic fields in matter. Electrodynamics. Electromagnetic waves. The fundamental theorem for gradients, the fundamental theorem for divergences (Gauss or Green theorem), the fundamental theorem for curls (Stokes theorem). Electrostatics: The electrostatic field \( E \), divergence and curl of \( E \), electric potential \( V \), work and energy in electrostatics, conductors. Special techniques for calculating potentials: Laplace’s and Poisson’s equations, boundary conditions and uniqueness theorem, the method of images, separation of variables, multipole expansion. Electrostatics fields in matter: Polarisation, the field of a polarised object, the electric displacement, linear dielectrics. Magnetostatics: The magnetic field \( B \), the Lorentz force law, the Biot-Savard law, the divergence and curl of \( B \), magnetic vector potential \( A \). Magnetostatic fields in matter: Magnetisation, the field of a magnetised object, the auxiliary field \( H \), linear and nonlinear media. Electrodynamics: Electromotive force, Faraday’s law, complete set of Maxwell’s equations in vacuum and inside matter, Coulomb and Lorentz gauge transformations, energy and momentum in electrodynamics, Poynting’s theorem. Electromagnetic waves: The wave equations, propagation of electromagnetic waves through empty space and linear media.

PHY 235 Electromagnetism II - Special Relativity (7.5 ECTS)
Maxwell equations, electromagnetic waves in conductors and in non-conductive media, wave properties, boundary conditions, dispersion, phase and group velocity, conductivity, electromagnetic radiation, retarded and advanced potentials, radiation of electric and magnetic dipole, symmetries and
conservation laws, inertial systems of reference, Galilean transformations, principles of special theory of relativity, rest mass, energy and momentum, determination of the speed of light, Fizeau and Michelson-Morley experiments, Lorentz transformations, simultaneous events, length contraction, time dilation, synchronising watches, Minkowski diagram, transformation of velocities, classical and relativistic doppler effect, the satellite problem, the twin paradox, relativistic dynamics, conservation of energy and momentum, threshold production of particles, particle decays, energy-momentum transformations, covariant formulation, classical electrodynamics, principle of minimum action, Lorentz force, gauge transformations, electromagnetic field tensor.

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)

Angular momentum and spin, composition of angular momenta, identical particles, periodic table, time independent perturbation theory, variational method, time dependent perturbation theory, radiation, Aharonov-Bohm, measurement theory, basic ideas of atomic physics.

PHY 331 Particle Physics (7.5 ECTS)


PHY 341 Electronics (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 Thermodynamics and Statistical Mechanics (7.5 ECTS)

PHY 347 Computational Physics (7.5 ECTS)
a) Random-number generators. Evaluation of integrals with the Monte Carlo method. Metropolis Monte Carlo simulations (applications in random-walk problems, the 2-d Ising model).
b) Numerical solution of differential equations. Application to the diffusion equation, the Laplace/Poisson equation and the Schroedinger equation. c) Molecular dynamics simulation methods – basic notions (equations of motion, numerical algorithms; heating and equilibration; microcanonical and canonical simulations). Application to the Lennard-Jones fluid. Calculation of pressure, diffusion coefficient, radial distribution function.

PHY 405 Cosmology and General Relativity (7.5 ECTS)

PHY 415 Biophysics (7.5 ECTS)

PHY 427 Atomic and Molecular Physics (7.5 ECTS)

PHY 435 Theoretical Physics (7.5 ECTS)
Symmetries: Definition, physical consequences of symmetries, Symmetries in classical mechanics, symmetries in quantum mechanics. The Heisenberg representation. Classical Fields: Gauge invariance, the action functional of the electromagnetic field, the energy and momentum tensor. Relativistic quantum mechanics: The Klein-Goldon equation, the Dirac equation, elements of second quantisation. Scattering theory: Green's functions, asymptotic states, potential scattering, phase shifts, resonances. Introduction to string theory.
1. **Basic or Introductory Courses (53.5 ECTS)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 111</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHY 112</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHY 114</td>
<td>Physics Laboratory I</td>
</tr>
<tr>
<td>PHY 115</td>
<td>Physics Laboratory II</td>
</tr>
<tr>
<td>PHY 145</td>
<td>Computational Methods in Physics</td>
</tr>
<tr>
<td>PHY 213</td>
<td>General Physics III</td>
</tr>
<tr>
<td>PHY 216</td>
<td>Physics Laboratory III</td>
</tr>
</tbody>
</table>

2. **Core Courses (60 ECTS)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 211</td>
<td>Classical Mechanics</td>
</tr>
<tr>
<td>PHY 221</td>
<td>Mathematical Methods of Physics I</td>
</tr>
<tr>
<td>PHY 222</td>
<td>Mathematical Methods of Physics II</td>
</tr>
<tr>
<td>PHY 225</td>
<td>Quantum Mechanics I</td>
</tr>
<tr>
<td>PHY 231</td>
<td>Electromagnetism I</td>
</tr>
<tr>
<td>PHY 235</td>
<td>Electromagnetism II - Special Theory of Relativity</td>
</tr>
<tr>
<td>PHY 326</td>
<td>Quantum Mechanics II</td>
</tr>
<tr>
<td>PHY 342</td>
<td>Statistical Physics and Thermodynamics</td>
</tr>
</tbody>
</table>

3. **Specialised Courses (75 ECTS)**

**Students must take ten specialised courses:**

**GROUP A**

**Students must take two of the following laboratory courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 302</td>
<td>Advanced Physics Laboratory I</td>
</tr>
<tr>
<td>PHY 322</td>
<td>Advanced Physics Laboratory II</td>
</tr>
<tr>
<td>PHY 341</td>
<td>Electronics</td>
</tr>
</tbody>
</table>

**GROUP B**

**Students must take four of the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 301</td>
<td>Solid State Physics</td>
</tr>
<tr>
<td>PHY 321</td>
<td>Nuclear Physics</td>
</tr>
<tr>
<td>PHY 331</td>
<td>Particle Physics</td>
</tr>
<tr>
<td>PHY 347</td>
<td>Computational Physics</td>
</tr>
<tr>
<td>MAS 006</td>
<td>Complex Analysis</td>
</tr>
</tbody>
</table>

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 121

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 two different faculties.

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* 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

## First Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st semester</td>
<td>30</td>
<td>PHY 111</td>
<td>General Physics I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 114</td>
<td>Laboratory Physics I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHE 121</td>
<td>Introduction to Chemistry</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 004</td>
<td>Mathematics I</td>
<td>8</td>
</tr>
<tr>
<td>2nd semester</td>
<td>30</td>
<td>PHY 112</td>
<td>General Physics II</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 145</td>
<td>Computational Methods in Physics</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 115</td>
<td>Laboratory Physics II</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 005</td>
<td>Mathematics II</td>
<td>7.5</td>
</tr>
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</table>

## Second Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3rd semester</td>
<td>30</td>
<td>PHY 213</td>
<td>General Physics III</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>PHY 216</td>
<td>Physics Laboratory III</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 221</td>
<td>Mathematical Methods of Physics I</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 231</td>
<td>Electromagnetism I</td>
<td>7.5</td>
</tr>
<tr>
<td>4th semester</td>
<td>30</td>
<td>PHY 211</td>
<td>Classical Mechanics</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 222</td>
<td>Mathematical Methods of Physics II</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 225</td>
<td>Quantum Mechanics I</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 235</td>
<td>Electromagnetism II</td>
<td>7.5</td>
</tr>
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</table>

## Third Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>5th semester</td>
<td>30</td>
<td>PHY 326</td>
<td>Quantum Mechanics II</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 342</td>
<td>Statistical Physics and Thermodynamics</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective Course I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective Course II</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Foreign Language Course I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6th semester</td>
<td>30</td>
<td>One course from Group A</td>
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<tr>
<td></td>
<td></td>
<td>One course from Group B</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One course from Group B</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One course from Group B</td>
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</table>

## Fourth Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>7th semester</td>
<td>30</td>
<td>One course from Group C or Project I</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One course from Group A</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One course from Group B</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One course from Group C</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td>8th semester</td>
<td>30</td>
<td>One course from Group C or Project II</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One course from Group C</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective Course III</td>
<td>5</td>
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<tr>
<td></td>
<td></td>
<td>Elective Course IV</td>
<td>5</td>
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<tr>
<td></td>
<td></td>
<td>Foreign Language Course II</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

## Group of Courses

### Group A
- PHY 341: Electronics
- 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
DEPARTMENT OF EDUCATION
CHAIRPERSON
Mary Ioannides-Koutselini

VICE CHAIRPERSON
Stavros Fotiou

PROFESSORS
Constantinos Christou
Athanasios Gagatsis
Mary Ioannides-Koutselini

ASSOCIATE PROFESSORS
Constantinos Constantinou
Stavros Fotiou
Leonidas Kyriakides
Maria Eliophotou-Menon
Marianna Papastephanou
Helen Phtiaka
Niki Tsangaridou
Nicos Valanides

ASSISTANT PROFESSORS
Charoulla Aggeli
Zelia Gregoriou
Constantinos Korfiatis
Eleni Loizou
Demetra Pitta-Pantazi
Zacharias Zacharia

LECTURERS
Miranda Christou
Eliada Elia
Elena Ioannidou
Simoni Symeonidou
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.
• Identifying, researching and studying educational issues.
• Educating Elementary and Kindergarten Teachers for Cyprus schools.
• 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.

In order to fulfil its mission, the Department has developed:

• 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, Inclusive Education and Language Pedagogy, 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 in the fourth year of studies. Students must select two specialisation areas from the following:

• Specialisation A: Greek Language, Mathematics, Science Education.
• Specialisation B: Special Education, Art Education, Music Education, Physical Education.

Elective Courses

The courses must be from at least two different faculties and are completed within the first two years of studies. Elementary school teachers must complete 20 ECTS (8.3%) (four courses) and kindergarten school teachers must complete 15 ECTS (6.3%) (three courses).
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: 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: 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: 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: 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: 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: 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.

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 fulfill 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, through experimentation and through the guidance of school personnel in the introduction of new ideas in education.

• Collecting information about 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.

CONTACT PERSON

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SECRETARIAT

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Penelope Kitsiou
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Tel.: 22892940
Fax: 22894487
Christina Georgiou-Michaelides
e-mail: georgiou.christina@ucy.ac.cy
Tel.: 22892941
Fax: 22894488

DESCRIPTION OF COURSES

FIRST AREA: PEDAGOGICAL SCIENCES

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 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. Ideological conflicts and debates on historiographic paradigms (case studies: “secret school” (kryfó scholió), the “Greek Letters” in Cyprus (ta Helliniká Grámmata stin Kýpros, irredentism [alitrotismós]. British colonial rule in Cyprus and educational politics: educational laws, ideological contradictions, colonial cultural hegemony and curricula, modernisation and teacher training, colonial codification, appropriation and administration of ethnic
identities and institutionalisation of ethnic separation in education. The role of the Orthodox Church and EVKAF in educational politics. Historical aspects and phases of the multicultural discourse in Cyprus (recognition of minorities and communities, minority narratives, orality and history).

EDU 138 Educational Technology (5 ECTS)
Prerequisite: CS 002
The course targets the systematic study of the pedagogical value of computer-based technologies, such as databases, spreadsheets, semantic networks, systems modeling tools, microworlds, hypermedia, multimedia, and electronic communication systems (synchronous and asynchronous), as cognitive tools to enhance teaching and learning. Technology is viewed as having an added value in certain instructional situations and as a driving and catalytic force for systemic educational change to help teachers and learners experience deep learning. Emphasis is placed on the development of technology-enhanced pedagogical content knowledge for the purpose of designing and developing interactive learning environments, where learners learn not the technology or from the technology but 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 201 Introduction to Philosophy Of Education (5 ECTS)
Use of philosophical concepts, principles, methods and criteria in the study of educational issues. Examination of the basic views of the main schools of educational philosophy as well as the assumptions (ontological, anthropological, epistemological, ethical and political) on which they are based. Critical investigation of the nature of education as well as its aspects (aims, content, methods, means, relations between school and society, etc.). This course aims at helping future teachers acquire a clear awareness of the various aspects of education at both the macro and the micro-level, and thus enables them to choose and determine an appropriate method in a rational, critical and responsible way.

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 Practice of Teaching (5 ECTS)
Teaching and learning as a problem-solving process in a mixed-ability classroom. Teaching and learning as students’ conceptual change is supported by context-bound differentiation, cooperative learning, individualised instruction, reciprocal teaching, metacognitive development, and constructive learning.

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 course attempts to systematically examine all major issues associated with educational assessment and evaluation. The first part is focused on assessment of pupils’ knowledge, skills and attitudes. The following topics are covered: Purposes of assessment; Formative and summative models of assessment; Test construction; Classical test theory and item analysis; The Rasch model and the diagnostic profiles; Ways of estimating test reliability; Types of validity and process of validation studies; Authentic forms of assessment; Use of standardised tests; Record keeping and reporting; and portfolios. The second part is about the theory, practice, understanding and utilisation of educational evaluation. Topics covered are as follows: Forms of evaluation and theoretical models; Evaluation of teaching and teacher’s appraisal; Programme evaluation; External evaluation of school units; School self-evaluation; and Evaluation of educational systems.

EDU 311 Introduction to Special 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)
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 403 Comparative Education (5 ECTS)

EDU 404 Curriculum Development (5 ECTS)

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 and the study 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 and the investigation of specific issues and problems relating to it. More specifically, the course aims at the following: a) The introduction to the main concepts and theories in educational administration (e.g., organizational models, leadership models, motivation theories, etc.). b) The critical examination of the positions associated with these theories and the evaluation of their applications to education. c) The study of the main duties and responsibilities of personnel in education. The role of the headmaster will be examined in relation to the skills and practices required for the effective implementation of his/her duties. d) The examination of the Cyprus educational system as a whole. Specifically, the following will be examined: structure of educational system, laws governing educational practice, organizational issues at the school level, etc. e) examination of research findings in educational administration so that students become aware of the importance of such findings and are able to relate them to the effective running of the school unit.

SECOND AREA: TEACHING METHODOLOGY
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. Students are introduced to several theories regarding the nature and the development of literacy and examine methodological approaches stemming from the various theoretical perspectives. In addition, utilising the theoretical underpinnings of the course, the course examines various aspects of literacy and proposes instructional strategies to facilitate literacy learning for emergent, novice and transitional readers and writers.

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. As part of this analysis, special emphasis is placed on contrasting approaches
and considering the possibilities of synthesising elements from various approaches under one philosophical perspective. 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)

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. Solutions to technological problems via the design and construction of physical working models and artefacts. 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. Another important objective of the course is the development of the appropriate technological literacy.

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
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 336 The Teaching of Natural Sciences (5 ECTS)
Prerequisites: EDU 176 and EDU 276
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)
Theoretical studies emphasising the social and cognitive dimension of art education. Explore instrumentalist and essentialist art education goals and practices. Appreciation and understanding the visual elements of contemporary culture (culture, aesthetics, art). Visual representations-artworks and their
significance in learning in, through and about art. Children's artistic development: The process of representing visual images. Developing educational art programmes. Personal engagement with materials, ideas, images and artistic processes. Historical and cultural meaning of the material.

EDU 352 Cultural Learning and Art in Pre-Primary School (5 ECTS)

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 I (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 expressive 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 435 Natural Sciences in the Kindergarten School (5 ECTS)
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 sensitisie 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.

THIRD AREA: COURSE STUDIES

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 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, figurals, several proofs 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 quadric 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 176 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)
- Current environmental issues: greenhouse effect, acid rain, pollution, loss of biodiversity, energy consumption, deprivation of natural resources.
- Principles, aims and methods of environmental education.
- Integration of environmental education in the school curriculum.

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 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:

EDU 252 Art in Preschool Education (5 ECTS)
Theoretical studies emphasising the social and cognitive dimension of art education and its contribution to children’s learning through both individual and social activity. The role of art in everyday life and its significance to education. Young children’s artistic development – The process of representing visual images. Designing and implementing art education programmes in pre-primary settings, emphasising learning in, through and about art. Enhancing students’ abilities in viewing and making art. Engagement with materials, ideas, images and artistic processes.

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 171
EDU 272 Topics from Modern Mathematics (5 ECTS)
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)

EDU 422 Greek Language Instruction II (5 ECTS)
The purpose of this course, which is the follow-up to EDU 322, 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: Linguistic competence and communicative competence. The grammar-centered and the communicative approaches to language teaching. Review of existing language textbooks. Review of the communicative approach and of its proposed implementations. Communicative situation, language functions, linguistic structure. Pragmatic and text-centered approaches. Orality and literacy. Early reading skills. Systematic and creative writing. Vocabulary acquisition. The role of ‘grammar’ in language teaching: towards a structured communicative approach. Teaching literature in primary education. Linguistic and cultural differences: the communicative approach in multilingual and multicultural contexts. Multiliteracies: alternative linguistic sources and practices and their systematic implementation in the language classroom.

EDU 424 Multiliteracies and Multimodalities (5 ECTS)
The course aims to promote the awareness and comprehension of critical issues regarding the evolving concept of literacy. Initially, 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. Two fundamental aspects of multiliteracies are investigated: (a) the connection of the written text with audio, visual, spatial and paralinguistic elements – a relationship particularly significant to mass media communication and hypermedia- and (b) the need to communicate in a world that is simultaneously characterised by increasing cultural diversity at the local level but also by direct, immediate connections at the global level. This course also analyses the elements which, in different cultures and in different temporal spaces, shape the genres used by each community and influence the value system applied to genres and authors. Finally, students are expected to explore the socio-cultural foundations of their own beliefs, attitudes and values regarding literacy, and to examine various linguistic systems and the genres and technologies associated with those systems.

Mathematics
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 research. 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 multiplicative structures of the four operations, the incorporation of information technology in the teaching of mathematics, the introduction and teaching of geometry.

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 in the problem solving process and the development of ideas in geometry and measurement. Finally, it refers to the use of the internet as a means for teaching mathematics and for continuous education.

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.

Science Education

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 486 Modern Trends in Science Teaching at the Primary School (5 ECTS)

EDU 488 Current Educational Dimensions of Biology (5 ECTS)
- Life processes.
- Studying science through living organisms. The theory of evolution and the nature of science.
- Biotechnology: theory, application and moral issues.

SPECIALISATION B’
Special Education

EDU 466 Learning Disabilities (5 ECTS)
A specialised course which is designed for students who have already taken the introductory course EDU 311 and have chosen special/inclusive education as their specialisation area. It deals with an aspect of inclusive education which has been particularly “popular” in recent years and it covers the majority of children who are considered as being in need of support in general education. It offers a systematic description of the phenomenon and the theories which explain it. Students also come into contact with the social conditions surrounding it which have had an impact on the ever increasing percentage of learning disabilities in the student population during the last 20 years.

EDU 467 Difference and Exclusion (5 ECTS)
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)
A specialised course in special/inclusive education which is therefore 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.

Art

EDU 451 Art, Environment and Culture in Educational Sciences (5 ECTS)

EDU 452 Contemporary Issues in Art Education: Visual Representations in Art and Contemporary Culture (ECTS)
Exploring contemporary issues in the field of art education: Characteristics of visual representations. Modern and postmodern views of art education. Multiliteracies and art education practices. Opportunities for creative practices through the use of technology.

EDU 453 The Development of Art Education Programmes (5 ECTS)
Exploring issues of art education: Contemporary views and theories and art education and the use of multiple, pluralist

**Music**

**EDU 444 Advanced Topics in Music Theory And Performance, Creative Approaches in The Musical Activities (5 ECTS)**

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)**

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)**

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.

**Physical Education**

**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.

**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).
GENERAL EDUCATION COURSES FOR OTHER DEPARTMENTS

EDU 100 Olympic Education (5 ECTS)
The course emphasises the principles of sport education and Olympism as a practical philosophy, and studies ways of application. The aim of the course is to enable students to learn and experience the ethical principles of the Olympic Ideal. Systematic study of the important parameters of the Olympic Movement and its contribution to contemporary society. Familiarisation with Olympic subjects and formation of attitudes and behaviours, according to the Olympic Ideals. Emphasis is placed on topics related to ancient and modern Olympic Games, the Olympic sports, the International Olympic Committee, the International Olympic Academy, the National Olympic Committees, the Olympic Charter and other related subjects. Study of a broad spectrum of areas of history, organization, operation and the spiritual content of the Olympic and Paralympic Games. Analysis of subjects that relate to Olympism and Olympic Education and their application to other disciplines. Study of implemented Olympic Education Programmes in Greece and other countries.

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 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 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.
### Table A: Programme of Studies for Elementary School Teachers

#### First Area: Pedagogical Sciences

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>EDU 101</td>
<td>Introduction to Pedagogical Sciences</td>
<td>5</td>
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<tr>
<td>EDU 138</td>
<td>Educational Technology</td>
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</tr>
<tr>
<td>EDU 204</td>
<td>Methodology of Educational Research</td>
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<td>EDU 218</td>
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<td>EDU 220</td>
<td>Theory and Practice of Teaching</td>
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<tr>
<td>EDU 304</td>
<td>Educational Evaluation</td>
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<td>EDU 311</td>
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<tr>
<td>PSY 101</td>
<td>Developmental Psychology I: Birth and adolescence</td>
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**Total Compulsory Courses (40 ECTS):** 40

**Elective Courses from the Department (20 ECTS):**

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<td>Educational Psychology I: Child Development and Educational Applications</td>
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**Total Elective Courses (20 ECTS):** 20

**Programme Total:** 60

#### Second Area: Teaching Methodology

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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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<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>
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<tr>
<td>EDU 376</td>
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**Total Compulsory Courses (40 ECTS):** 40

**Elective Courses from the Department (10 ECTS):**

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**Total Elective Courses (10 ECTS):** 10

**Programme Total:** 50

#### Third Area: Content Area Studies

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<td>EDU 393</td>
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**Total Compulsory Courses (40 ECTS):** 40

**Specialisation A' (selection of one area) (15 ECTS):**

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<td>EDU 424</td>
<td>Multilteracies and Multimodalities</td>
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<td>EDU 471</td>
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<tr>
<td>EDU 473</td>
<td>Didactics of Mathematics II</td>
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<tr>
<td>EDU 477</td>
<td>Computer Science Applications in the Teaching of Science in Elementary School</td>
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**Total Specialisation A' (15 ECTS):** 40

**Programme Total:** 60

### Table of ECTS

<table>
<thead>
<tr>
<th>Area of Studies</th>
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<th>Department Electives</th>
<th>General Education</th>
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<td>Specialisation B'</td>
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## 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 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 302 Principles and Perspectives of Early Childhood Education 5
- EDU 304 Educational Evaluation 5
- EDU 311 Introduction to Inclusive Education 5
- PSY 101 Developmental Psychology I 5

**Total** 45 ECTS

**Elective Courses from the Department (25 ECTS)**
- EDU 105 History of Education 5
- EDU 118 Education and Gender 5
- EDU 201 Introduction to Philosophy of Education 5
- EDU 214 Health Education 5
- EDU 215 Family and Kindergarten: Relationships and Actions 5
- EDU 218 Sociology of Education I 5
- EDU 403 Comparative Education 5
- EDU 412 Organization and Administration of the Educational System 5
- PSY 120 Cognitive Psychology 5
- PSY 222 Educational Psychology 5
- PSY 302 Cognitive Development and Educational Applications 5

**Total** 25 ECTS

**Programme Total** 70 ECTS

### Second Area: Teaching Methodology (65 ECTS)

**Compulsory Courses (45 ECTS)**
- EDU 221 Early Literacy 5
- EDU 224 Forms of Language Expression 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 377 Content of Physical Education in Pre-School Education 5
- EDU 435 Natural Sciences in the Kindergarten School 5

**Total** 40 ECTS

**Elective Courses from the Department (20 ECTS)**
- EDU 238 Design and Technology 5
- EDU 325 Creative Drama 5
- EDU 378 Dance in Kindergarten 5
- EDU 423 Introduction to First Language Acquisition 5
- EDU 466 Learning Disabilities 5

**Total** 20 ECTS

**Programme Total** 65 ECTS

### 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
- BMG 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 487 Physical Education in Preschool Education 5

**Total** 40 ECTS

**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 272 Topics from Modern Mathematics 5
- EDU 468 Special Needs in the Mainstream School 5
- EDU 481 Christian Ethics and Modern World 5

**Total** 10 ECTS

**Programme Total** 50 ECTS

**School Experience** 30 ECTS

**General Education Courses** 15 ECTS

**Foreign Language** 10 ECTS

**Programme Total** 240 ECTS

### Seminar - Senior Thesis

EDU 490 Seminar - Senior Thesis I
EDU 491 Seminar - Senior Thesis II

Students who choose to complete a Seminar Thesis are exempted from two general educational courses.

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**Table:**

<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>General Education Courses</td>
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<td>Total</td>
<td>170</td>
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TEMPORARY CHAIRPERSON
Athanasios Gagatsis

PROFESSOR
Andreas Kapardis

ASSISTANT PROFESSORS
Nikitas Hatzimihail
Charalambos Papacharalambous
Tatiana-Eleni Synodinou

LECTURERS
Aristotelis Constantinides
Constantinos Kombos
Christos Tsaitourides
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 for 2011. 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 credit units (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 053 United Nations Law
- LAW 463 Comparative Law
- 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

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. The selection of one course from the following list (of first-year courses on core subjects in social/economic sciences and humanities) is recommended (but not required):

SPS 101 Introduction to Sociology
SPS 102 Classic Social Theories
SPS 103 Introduction to Social Anthropology
SPS 151 Introduction to Political Science
SPS 153 International Relations
SPS 154 Political Theory
SPS 156 European Integration
SPS 158 Basic Principles of Political Economy
ECO 111 Principles of Microeconomic Theory
ECO 121 Principles of Macroeconomic Theory
PBA 131 Principles of Management
HIS 105 Introduction to Historical Studies
PHIL 101 Introduction to Philosophy

Courses in Foreign Languages

The graduates of the Department of Law must have adequate command of English and 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. The problem of the definition of law, in contrast to other normative systems such as morality, is analyzed, so is its relation to state power. 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, especially of the constitution. During the duration of the course, the student is introduced to the legal profession and the skills required to study law and to create legal essays (ways to access legal information, use library facilities, write essays etc).

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 (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 (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 History (6 ECTS)
The course addresses the evolution of law (principally private law) in Europe and the formation of Western legal tradition, from graeco-roman antiquity to present-day European integration, 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 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 course focuses on the institutional structure of the EU and examines the gradual process of transformation of the EC. Moreover, the analytical emphasis is placed on the constitutional field with a detailed exegesis of the main constitutional premises created and developed by the ECJ. In this light, the constant and dynamic dialogue between the ECJ and national courts is examined with attention drawn to the reasons for different
compromises at different times. In addition, the main procedural provisions are examined, as well as parts of effective judicial protection (human rights, non-discrimination, equality).

**LAW 202 European Union Law II (6 ECTS)**
The course focuses on the substantive law of the EU, with emphasis on the four fundamental freedoms which are analysed in depth. The jurisprudence of the CJEU and the legislative framework provide the foundation of the course, which adopts a critical stand against the rulings of the Court and the generally strict approach towards the various available exceptions. In addition, the course concentrates on the principles of non-discrimination and equality at the work place, thus expanding on the basic knowledge offered in LAW 201.

**LAW 205 Public International Law (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, as well as the principle and means of peaceful settlement of disputes.

**LAW 212 Law of Contracts II (6 ECTS)**
This course deals with the theory and doctrine of contract law at an advanced level. We deal with the legal consequences of contract termination, and the possible remedies. The second part of the course deals with the sale of goods and the special law on consumer contracts. Special types of contracts are also considered (guarantee, agency).

**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 214 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 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 analysis of the national law and of the case law is conducted under the light of international and European sources of protection of property, since international and European law are affecting developments in this area as well. 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. In this frame, the course studies the historical background of the Department of Lands and Surveys and the missions of the Department in the fields of acquisition and transfer of immovable property and the constitution of encumbrances over immovable property.

**LAW 221 Civil Procedure (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 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 (and respectively the kinds of crimes and the omissions), the mens rea (and respectively the kinds of culpability, including recklessness), the problematic of causation and objective imputation, general defences concerning general liability’s prerequisites or justification or excuse (insanity, intoxication, self-defence, necessity, duress, errors etc.), finally, the special forms of crime (attempt, complicity, concurrence). Special reference is made to sentencing and special attention is given to common law notions like strict liability, vicarious liability, conspiracy, joint criminal enterprise etc.

**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 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 323 Constitutional Law II: Fundamental Rights (6 ECTS)
The course concentrates on the presentation of the nature of individual, social and political rights and their protection by the relevant provisions of the Constitution of the Republic of Cyprus. The presentation of the historical evolution of human rights in the modern legal systems is combined with the examination of the theories which seek their foundation either in natural laws or in the positive legal order of the states. The provisions of the Constitution on Fundamental Rights are examined, as also important judgments of the Supreme Court of Cyprus and the work of domestic mechanisms of human rights protection, most notably the Ombudsman. Of course, emphasis is placed also on the case law of the European Court of Human Rights. The course introduces the students with the “third generation” of human rights, e.g. the protection of personal data and focuses on controversial issues such as euthanasia, abortion etc. The synthesis of freedom and equality, sovereignty and autonomy is considered to be the precondition for the effective protection of constitutional rights.

LAW 325 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. Of course the analysis of the relevant case-law of the Supreme Court of Cyprus is of the utmost importance. Finally, the matter of constitutionality review is at the core of the research conducted.

LAW 331 Commercial Law (6 ECTS)
The emphasis of the course 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. Students are also acquainted with the operation of small-scale business enterprises (basic transactions, book-keeping, privileges and obligations) and examine the basic forms of commercial bills and papers.

LAW 333 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 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. If necessary, there will be reference to sentencing problems (the sentencing being as such part of the course of the General Part).

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 pretrial 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 subpoenas, 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. Respectively, the course considers also the need for a duly reasoned judicial opinion. Finally, the course considers the legal means (appeals) and the preparation for the execution of the announced sentence. The course includes a visit to the Assizes and the Supreme Court.

LAW 345 Law of Evidence (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. Basic concepts of legal theory, such as right, sovereignty, equality, liberty, coercion and rule are analyzed, and the connections of law with the ideals of democracy and justice are presented, so that the students understand what makes a system of regulation “legal”. From the debates between the Sophists and Socrates concerning the questions of justice and truth in law, to the Aristotelian synthesis with emphasis on Politics, 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. Alternative approaches to the legal system, such as the relevant theories of Michel Foucault and the ideas of Feminist Legal Theory, are also examined. Finally, a special part of course serves as an introduction to legal methodology, with emphasis placed on the problems of interpretation and of the correctness of legal judgments.

**Elective courses in Law**

**LAW 005 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, and then to rape, armed robbery, homicide, mass murderers, serial killers, and white-collar crime in particular. Finally, the FBI’s method of criminal profiling in criminal investigation is critically evaluated.

**LAW 006 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 psychological and psychological 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 007 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 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, considered as the legal means best serving an accelerated and effective international cooperation.

**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 UNIFICYP, and the legal problems arising from their increasingly expanding activities.

**LAW 463 Comparative Law (6 ECTS)**

The course addresses legal diversity – the existence of a variety of legal systems in the world – 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. The course concludes with practical exercises in legal comparison.

**LAW 464 Islamic Law (6 ECTS)**

Introduction to Islamic law (shari’a). The course principally addresses the sources and jurisprudence of Islamic law, as well as its historical evolution. The role of Islamic law in modern Arab states, as well as in the West, is also examined.

**LAW 475 Law in Antiquity (6 ECTS)**

The course concerns law in Greek and Roman antiquity. Classic writers are a principal source for the study of law in Ancient Greece. Roman law has been the foundation of all Western law, Continental as well as Common Law.

**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 Media and Computer Law (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. Also are studied in detail the protection of personal data, the legal rules for electronic commerce and the legal regime for electronic signatures, the legal protection of computer programmes and databases, questions related to electronic criminality, such as hacking and child pornography, the legal frame for domain names.

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 through the systematic presentation of international legislation and the relevant provisions of the Cypriot Law, for example on the Natura 2000 sites. The students are introduced to the conflicts between the right to the environment and the rights to property and economic freedom, and the resolutions of environmental law, such as the environmental impact assessment studies.

LAW 448 Cultural Law (6 ECTS)
The legal protection of cultural heritage and art has gained lately its autonomy as a new exciting field of law aiming at the conservation and management culture of the cultural environment. The course is divided in two units: first, the provisions on the protection of antiquities and in general cultural (mainly architectural) heritage are presented; secondly the focus is on the regulations, either from public law or from intellectual property perspective, on cultural activities and the works of art. The course aims at the systematic presentation of international treaties and legal documents, as also the analysis of the relevant Cypriot legislation and its application.

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 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 471 Sociology of Law – Law and Literature (6 ECTS)
Focusing on the analysis of law through the perspective of social sciences and presenting the bonds of law with literature, as a specific example, the course aims to show that the legal system can be approached and understood as part of social relations. Emphasis is placed on the question of the effective application of the legal provisions; therefore the role of empirical research is crucial in sociology of law. The influence of socio-economic necessities and struggles on legislative policies, administrative practices and judicial judgments is an important aspect of the course. In the second unit of the course, devoted to the subject of “Law and Literature” the perception of legal phenomena and institutions from literary texts is systematically examined. The work of major writers, such as Kafka and Shakespeare, as also relevant works from Greek authors will be presented, as a unique example of the formation of social relations by the law. On the other hand, the literary character of legal rules and the presence of rhetoric in the legal texts is also examined, to better understand e.g. legal fictions and legal interpretation.

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

Coordinator
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Secretariat
Maria Alexandrou
email: law.dept@ucy.ac.cy
Tel.: 22892920, Fax: 22894438
## Analytical Programme of Studies

### First Year

<table>
<thead>
<tr>
<th>1st semester</th>
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<tr>
<td>LAW 101 Legal Method</td>
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<tr>
<td>LAW 102 Introduction to Private Law</td>
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<tr>
<td>LAW 104 Introduction to Criminal Justice</td>
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<tr>
<td>LAW 105 Constitutional Law I</td>
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<td>LAW 202 European Union Law II</td>
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<td>LAW 245 Constitutional Law II: Fundamental Rights</td>
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<td>LAW 216 Law of Property</td>
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<td>LAW 241 Criminal Law I: General Criminal Law</td>
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### Third Year

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### Fourth Year

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### Elective Courses in Law

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<td>LAW 005 Criminology</td>
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<td>LAW 007 Economic Crimes</td>
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<td>LAW 053 Law of the United Nations</td>
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<td>LAW 063 Comparative Law</td>
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<td>LAW 064 Islamic Law</td>
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<td>LAW 075 Law in Antiquity</td>
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<td>LAW 408 Criminal Investigation</td>
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<td>LAW 411 Maritime Law</td>
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ACADEMIC FACULTY

CHAIRPERSON
Fofi Constantinidou

VICE CHAIRPERSON
Stelios Georgiou

PROFESSOR
Andreas Demetriou

ASSOCIATE PROFESSORS
Fofi Constantinidou
Irene - Anna Diakidou
Stelios Georgiou
Athanasios Raftopoulos

ASSISTANT PROFESSORS
Marios Avraamides
Georgia Panayiotou
Timothy Papadopoulos

LECTURERS
Charis Psaltis
Georgios Spanoudis
INTRODUCTION
The Department of Psychology is a newly founded and vital department that aims to constantly be 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 practice 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 credit units (ECTS) distributed among compulsory and elective courses.

Courses with codes starting with 100 are credited with 5 ECTS, because they are open and can be taken as elective 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 seek employment.

COURSE DESCRIPTIONS

PSY 100 Introduction to Psychology (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 behaviors 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, psychodynamic, 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 to introduce 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 aims to provide a basic understanding and framework of Work and Organizational Psychology. It addresses the issues of using psychology at work and examines the contribution of psychological theory to our understanding of human behaviour in the workplace. The course 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. Real-life examples are used to support the theory and to show how the concepts dealt with actually apply to work settings. 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 development and work design.

PSY 118 Fundamentals of Human Sexuality (5 ECTS)
This interdisciplinary survey course on research and theories related to sexual behaviour in humans is designed to provide students with the foundations for a lifelong human sexuality wellness orientation by enabling them to acquire the necessary skills and knowledge for the enrichment of their personal and family life. Throughout the course, students will acquire up-to-date vital knowledge about how to attain a healthy sexual life; the relationship between sexuality and society; human sexual growth and development through the life span; the impact of sexual
health and well being on daily life; the importance and value of providing accurate and thorough sexual education; the effects of public policy and legislation on sexuality; sexual ethical considerations in everyday life and professional conduct; and the intricacies of atypical sexual variations.

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. As an introduction, the concept of family is defined and individual issues are discussed as follows: types of family, stages of family development, systemic view of the family,
influence of the family on its members. 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 (6 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, therefore, should be aware that the Ethics codes may be applied to them by state psychology boards, courts, 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. These include the clinical or counselling practice of psychology, research, teaching, supervision of trainees, development of assessment instruments, conducting assessments, educational counselling, organizational consulting, social intervention, administration, and other activities. 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)
The course aims to deepen the student’s knowledge in two basic areas of interest of Social Psychology. In the field of intergroup relations, students will have the opportunity to familiarise themselves with theoretical and empirical approaches on issues like a) Intergroup bias and conflict, b) Improvement of intergroup relations (Intergroup contact hypothesis, conflict resolution, categorisation, integrated education). Students will have the opportunity to come in contact with empirical findings from Cypriot, European and global contexts regarding issues of ethnic conflict, immigration, and multiculturalism. The course will also focus on the Theory of Social Representations and more specifically on the articulation of social representations with national identity and gender identity. More particularly, the microgenesis, ontogenesis and sociogenesis of social representations of gender and national identity will be examined. Finally, emphasis will be placed on the methodology of articulating different levels of analysis in the study of social-psychological phenomena (intraperisonal, interpersonal, inter-group/positional and ideological/social representational).
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 also explains the typical developmental course and looks at accepted methods to assess and identify students with the disorder, and various treatment methods that are currently being used to treat the disorder. Theoretical models of ADHD are also presented, which describe the many cognitive and social deficits in the disorder and point to directions for future research. Overall, the course centers on the fact that ADHD involves more than just attention deficits – it is also a central problem 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 to introduce 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 331 Behavioural Neuroscience (6 ECTS)
The course will present current theories and research studies pertaining to brain plasticity and brain specialisation. The effects of brain damage on neuronal networks as well as current theories on brain reorganisation and repair during childhood and adulthood will be discussed. The effects of genetics, hormones, and metabolism in relationship to normal brain functioning, as well as neuropathological, neurological, and behavioural disorders will be addressed.

PSY 332 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 of learning 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 341 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 survey methods of assessment and intervention used in these situations.

PSY 342 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)
The course aims to bridge psychological theory/research and practice. It is partially experiential in nature in that it allows students to assess their professional interests and develop knowledge, professional skills, self-knowledge, and critical thinking through informational visits and volunteer work in community sites. The course aims to systematically assist students in their vocational development by helping them explore options for employment and by developing their career/graduate school search skills. Historical and contemporary professional issues in the field of psychology on an international, European, and local level will be presented. A deeper synthesis of psychological knowledge domains, learning and instruction, inductive and deductive approaches, learning outcomes, and contexts of learning. Topics include: theories of learning, learning and memory, strategies, concept acquisition, knowledge acquisition, restructuring, and transfer, learning and intelligence, learning in cognitive and knowledge domains, learning and instruction, inductive and deductive approaches, learning tasks, and evaluation.

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, restructuring, and transfer, learning and intelligence, learning in cognitive and knowledge domains, learning and instruction, inductive and deductive approaches, learning tasks, and evaluation.

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, with particular attention to infancy and the origin of thought. The course begins by discussing some large 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, finally, offer 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. Thus, the syllabus 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 programmes, and (6) writing of case reports to be used in local schools and educational psychology services. 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 provide general knowledge of the Central Nervous System (CNS) structures and the relationship between brain and behaviour. It will integrate contemporary clinical and research paradigms on neuropsychological 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 neurodeenerative 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.
## COMPULSORY COURSES

### (17 Courses - 101 ECTS)

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
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<td>PSY 101</td>
<td>Developmental Psychology I</td>
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<td>Psychobiology I: Biological Bases of Behaviour</td>
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## ELECTIVE COURSES FROM THE DEPARTMENT OF PSYCHOLOGY

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<td>PSY 118</td>
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## TWO COMPULSORY COURSES FROM OTHER DEPARTMENTS (10 ECTS)

- CS 001 Introduction to Computers
- MAS 051 Statistics

## ELECTIVE COURSES FROM OTHER DEPARTMENTS (20 ECTS)

Any elective courses 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.

## General Table of Requirements

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Faculty of Social Sciences and Education

DEPARTMENT OF SOCIAL AND POLITICAL SCIENCES
CHAIRPERSON
Savvas Katsikides

VICE CHAIRPERSON
Yiannis Papadakis

PROFESSORS
Joseph S. Joseph*
Savvas Katsikides

ASSOCIATE PROFESSORS
Kyriakos Demetriou
Caesar V. Mavratsas
Costas Melakopides
Yiannis Papadakis
Victor Roudometof

ASSISTANT PROFESSORS
Kalliope Agapiou-Josephides
Marios Constantinou
Maria Hadjipavlou
Stavros Tombazos

* Professor Joseph is on leave serving as Ambassador in Athens, Greece
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.

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.

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 level. Courses in the field aim to familiarise students with the subject matter and the analytical tools used for the study of politics.

Note: The two degrees, as presented here, are valid for students admitted from September 2006 onwards.

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 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 252 Gender and Power (6 ECTS)**
The course examines in detail the relationship between gender and politics through comparative analysis and looks at how this relationship has developed through women's struggles in different cultures and societies (European and non-European). It addresses the basic question: why is women's participation in public life important? It refers to and analyses international and regional conventions and programmes that promote gender equality and the elimination of all forms of discrimination.

**SPS 261 Comparing Political Systems (6 ECTS)**
The courses critically examines a number of representative political systems (i.e., liberal democracy, federalism, Islamic democracies, Communism 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 262 The Political System Of Greece (6 ECTS)**
The course offers an introduction to the political system (as well as the constitutional law) of Greece. Emphasis is placed on the structure, organization and functions of the various institutions. The main characteristics of the 1975/1986/2001 constitutions are also considered.

**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 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 273 International Peace and Security (6 ECTS)**
The course will examine in great detail the basic concepts of Peace and Security, national interest, power, interdependence, development and collective security from a theoretical and applied perspective and understanding. Readings and discussions will include the different categorisations of Peace, Security and a culture of Peace from a feminist approach of non-violence in the 21st century. There will be a critical examination of the international system in the post-cold war and post-September 11 era. Theories on conflict and war and how these phenomena are addressed today will be discussed. Is there a vision for a New International Society of Nations - "An Agenda for Peace" (Butros Butros Ghali)?

**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/neo-realism, 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 281 Modern 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 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 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 371 Constitutional Law (6 ECTS)
The course offers an introduction to constitutional law, with emphasis on the institutions of the Republic of Cyprus. The main characteristics of the 1960 Constitution are considered, along with the particularities and malfunctions of the system. The legal and political aspects of the Cyprus problem and the inter-communal talks are also examined.

SPS 372 Constitutional History Of Cyprus (6 ECTS)
The course examines the constitutional history of Cyprus. The colonization period is briefly mentioned, whereas emphasis is placed on the Zurich-London Agreements. The various peace plans since 1964 as well as the inter-communal talks are also considered.

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 374 International Law (6 ECTS)
The course offers an historical overview of the evolution of International Law, with emphasis on the 20th century. It also examines the role of International Law in connection with the functioning of the international political system and the improvement of relations among states. There is some emphasis on the subjects and sources of International law, including a comparison of International Law with Domestic Law with special reference to their formation and enforcement.

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 Superpowers and The International System (6 ECTS)
In Part One, the course provides a review of the main policies and crises of the Cold War superpowers, the main approaches to understanding their protracted conflict and the main features of the international system during the Cold War. Part Two examines the institutions of the emerging post-Cold War international system, with emphasis on the international political economy, globalisation, International Law, International Ethics, and the theory and realities of international conflicts.

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 379 Greek Foreign Policy (6 ECTS)
Introduction to post-1945 Greek foreign policy. Beginning the study chronologically, the course focuses first on the period of “dependence” (1945-1967) and then compares the post-1974 years under Constantine Karamanlis (1974-1980) and Andreas Papandreou (1981-1989). The course culminates with a thematic study of recent problems and achievements, including Cyprus and Greek-Turkish relations as well as Greece’s manifold role in the European and global environment.

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 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 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 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 464 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.

**SPS 468 Critical Theory (6 ECTS)**

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.

**SOCIOMETRY**

**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 141 Introduction to Social Psychology (6 ECTS)**

The course provides an introduction to contemporary social psychology; it combines both a theoretical and an applied approach, and offers the opportunity for an empirical study. The course addresses the following areas: socialisation of the child, research methods in social psychology, social cognition, social relationships, altruism, human aggression, group behaviour, interpersonal attraction, conformity, obedience, applied social psychological aspects of health and the environment.

**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 and social problems. Specific topics include the development of personal identity among adolescents (including the various problems that appear during adolescence); the role of peer groups in the process of socialisation; the development of various subcultures as a means of acquiring a personal and group identity; the role of the media in these processes; the role of sexuality as a factor in the process of socialization; the relationship between family and teenagers and the impact of this relationship on the youth, etc.
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 is a systematic introduction to theories of class analysis and other approaches to social stratification. It begins by examining the thought of Marx and Weber and moves to more contemporary thinkers. While the emphasis is placed on social stratification in modern societies, a comparative-historical perspective is also provided.

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 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 insinuates 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 insinuates 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 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 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 both the economic and the social aspects of this new industry. Special topics include the development of tourist cities as magnets for global tourism; the motivations behind the rise of international tourism, as well as the theories that explain the emergence and magnitude of the tourist industry; the evolution of the various types of tourism, ranging from the so-called "good" environmentally friendly tourism to the "bad" mass tourism; the cultural, social and economic impact of tourism on the host society; the cultural imperialism thesis as it pertains to the tourist industry; and, finally, 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 310 Criminal Justice (6 ECTS)
The course aims to provide a critical appraisal of the criminal justice system. Following an introduction to the area, the focus shifts to the international literature on police and policing in western countries (including police powers, citizen rights and police corruption), sentencing criminal defendants, judicial discretion in common law countries, penal aims such as rehabilitation, retribution and deterrence, protection of society and denunciation. Finally, the use and impact of imprisonment and other sanctions imposed by the courts are critically evaluated.

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 discontents 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 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, Structuralism, 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)
Never before have so many people crossed national boundaries to live outside their country of origin. The new immigrants maintain their cultural and other ties with their countries of origin. Within the advanced industrialised countries, the success of the post-1960 multiculturalist projects has led to open acknowledgement of cultural difference. 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-reflexivity 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 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 Scheler, 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 pronounced historically by utilitarianism and institutionalised by the neoliberal theory of the free market which foregrounded and valorised an instrumental attitude with respect to the satisfaction of human interests and needs. 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 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 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
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, antiparty parties, movement-parties, the party-state, European parties, etc.

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 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.
### Core Courses in Political Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SPS 151</td>
<td>Introduction to Political Science</td>
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<tr>
<td>SPS 152</td>
<td>Comparative Politics</td>
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<td>SPS 153</td>
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<td>SPS 154</td>
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<td>SPS 155</td>
<td>Foreign Policy</td>
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<td>SPS 156</td>
<td>European Integration</td>
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<tr>
<td>SPS 157</td>
<td>Political Analysis and Methodology (8 ECTS)</td>
</tr>
<tr>
<td>SPS 232</td>
<td>Gender, Power and Politics</td>
</tr>
<tr>
<td>SPS 251</td>
<td>The Political System of Cyprus</td>
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<tr>
<td>SPS 261</td>
<td>Comparing Political Systems</td>
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<tr>
<td>SPS 266</td>
<td>Political System of the European Union</td>
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<tr>
<td>SPS 269</td>
<td>Basic Principals of Political Economy (8 ECTS)</td>
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<tr>
<td>SPS 281</td>
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<tr>
<td>SPS 314</td>
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<tr>
<td>SPS 377</td>
<td>Superpowers and the International System</td>
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### Elective Courses from Other Subject Areas

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SPS 101</td>
<td>Introduction to Sociology</td>
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<td>SPS 102</td>
<td>Classical Sociological Theories</td>
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<tr>
<td>SPS 105</td>
<td>Introduction to Social Anthropology</td>
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<tr>
<td>SPS 141</td>
<td>Introduction to Social Psychology</td>
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<tr>
<td>SPS 211</td>
<td>Contemporary Sociological Theories</td>
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<td>SPS 231</td>
<td>Social Stratification</td>
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<td>SPS 304</td>
<td>Sociology of Mass Media</td>
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<tr>
<td>SPS 306</td>
<td>Social Movements</td>
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<tr>
<td>SPS 318</td>
<td>Development and Modernisation</td>
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<td>SPS 320</td>
<td>Ethnicity and Nationalism</td>
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<tr>
<td>SPS 322</td>
<td>Political Anthropology</td>
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### Support and Specialisation Courses

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<tbody>
<tr>
<td>SPS 252</td>
<td>Gender and Politics</td>
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<tr>
<td>SPS 256</td>
<td>Law and Politics</td>
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<tr>
<td>SPS 262</td>
<td>The Political System of Greece</td>
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<tr>
<td>SPS 263</td>
<td>Greek-Turkish Relations</td>
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<tr>
<td>SPS 264</td>
<td>Political and Diplomatic History of Europe</td>
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<tr>
<td>SPS 267</td>
<td>Comparative Politics of Developing Nations</td>
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<td>SPS 268</td>
<td>Cyprus Foreign Policy</td>
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<td>SPS 272</td>
<td>International Organizations</td>
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<td>SPS 273</td>
<td>International Peace and Security</td>
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<td>SPS 274</td>
<td>Human Rights</td>
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<td>SPS 275</td>
<td>The UN System</td>
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<td>SPS 282</td>
<td>Political Ideologies</td>
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<td>SPS 360</td>
<td>Globalisation</td>
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<td>SPS 361</td>
<td>Cyprus and the European Union</td>
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<td>SPS 362</td>
<td>Politics of the European Union</td>
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<td>SPS 363</td>
<td>Law of the European Union</td>
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<td>SPS 364</td>
<td>Europe and the Mediterranean</td>
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<tr>
<td>SPS 365</td>
<td>Plato’s Political Thought</td>
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<td>SPS 366</td>
<td>Social Contract Theories</td>
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<td>SPS 367</td>
<td>Theories of Political Justice</td>
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<tr>
<td>SPS 368</td>
<td>Hegel’s Political Thought</td>
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<tr>
<td>SPS 371</td>
<td>Constitutional Law</td>
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<td>SPS 372</td>
<td>Constitutional History of Cyprus</td>
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<td>SPS 373</td>
<td>The Cyprus Problem</td>
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<td>SPS 374</td>
<td>International Law</td>
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<td>SPS 376</td>
<td>Conflict Resolution</td>
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<td>SPS 378</td>
<td>Economy and Politics</td>
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<td>SPS 379</td>
<td>Greek Foreign Policy</td>
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<td>SPS 382</td>
<td>Contemporary Political Theory</td>
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<td>SPS 383</td>
<td>Political Parties and Elections</td>
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<td>SPS 393</td>
<td>International Relations Theories</td>
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<tr>
<td>SPS 395</td>
<td>Mediterranean Dimension of the European Union</td>
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<tr>
<td>SPS 396</td>
<td>European Foreign and Security Policy</td>
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<tr>
<td>SPS 451</td>
<td>Special Issues in International Relations</td>
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<tr>
<td>SPS 452</td>
<td>Special Topics in Comparative Politics</td>
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<td>SPS 455</td>
<td>Special Issues in Foreign Policy</td>
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<td>SPS 461</td>
<td>European Union Special Issues</td>
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<td>SPS 462</td>
<td>Common Policies of the European Union</td>
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<td>SPS 464</td>
<td>Ethics of International Relations</td>
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<td>SPS 466</td>
<td>The European Union as a Global Power</td>
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<td>SPS 467</td>
<td>Gender and International Organizations</td>
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<td>SPS 468</td>
<td>Critical Theory</td>
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<tr>
<td>SPS 481</td>
<td>Special Issues in Political Theory</td>
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<tr>
<td>SPS 498</td>
<td>Degree Thesis I*</td>
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<tr>
<td>SPS 499</td>
<td>Degree Thesis II*</td>
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### Total of 40 Courses (with thesis)

<table>
<thead>
<tr>
<th>Courses</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>32</td>
<td>192</td>
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<tr>
<td>4</td>
<td>20</td>
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<td>2</td>
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<tr>
<td>Thesis I &amp; II</td>
<td>12 ECTS</td>
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<td>Total:</td>
<td>240</td>
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</table>

*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."
## Political Science Degree Per Semester

### With Thesis - TOTAL of 240 ECTS

<table>
<thead>
<tr>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
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</thead>
<tbody>
<tr>
<td><strong>1st semester (29 ECTS)</strong></td>
<td><strong>2nd semester (31 ECTS)</strong></td>
<td><strong>3rd semester (28 ECTS)</strong></td>
<td><strong>4th semester (32 ECTS)</strong></td>
</tr>
<tr>
<td>SPS 151 Introduction to Political Science</td>
<td>SPS 154 Political Theory</td>
<td>Foreign Language Course III (5 ECTS)</td>
<td>SPS 266 Political System of the European Union</td>
</tr>
<tr>
<td>SPS 152 Comparative Politics</td>
<td>SPS 155 Foreign Policy</td>
<td>MAS 051 Statistical Methods (5 ECTS)</td>
<td>SPS 269 Basic Principles of Political Economy</td>
</tr>
<tr>
<td>SPS 153 International Relations</td>
<td>SPS 156 European Integration</td>
<td>SPS 251 The Political System of Cyprus</td>
<td>SPS 281 Political Theory II</td>
</tr>
<tr>
<td>Foreign Language Course I (5 ECTS)</td>
<td>SPS 157 Political Analysis and Methodology (8 ECTS)</td>
<td>SPS 261 Comparing Political Systems</td>
<td>SPS 314 Political Sociology</td>
</tr>
<tr>
<td>CS 001 Introduction to Computer Sciences (6 ECTS)</td>
<td>Foreign Language Course II (5 ECTS)</td>
<td>SPS 377 Superpowers and the International System</td>
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</tr>
</tbody>
</table>

### Without Thesis - TOTAL of 240 ECTS

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<thead>
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</table>
ANALYTICAL PROGRAMME OF STUDIES FOR SOCIOLOGY DEGREE

CORE COURSES IN SOCIOLOGY
18 courses x 6 ECTS + 2 courses x 7 ECTS + 1 course x 8 ECTS = 130 ECTS
SPS101 Introduction to Sociology
SPS102 Classical Sociological Theories
SPS105 Introduction to Social Anthropology
SPS141 Introduction to Social Psychology
SPS146 Introduction to Qualitative Social Science Methodology
SPS147 Introduction to Quantitative Social Science Methodology
SPS 211 Contemporary Sociological Theories
SPS 212 History of Sociology
SPS 221 Sociology of Deviance
SPS 231 Social Stratification
SPS 241 Cyprus Society
SPS 269 Basic Principals of Political Economy
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 325 Social Theory and Law
SPS 327 Contemporary Trends in Social Theory
SPS 401 Global Society

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
CS 001 Introduction to Computer Sciences (6 ECTS)
MAS 051 Statistical Methods

SUPPORT AND SPECIALISATION COURSES (In-depth courses and Interdisciplinary Enlargement)
10 or 8 courses + THESIS I & II = 60 ECTS
SPS 213 Youth and Society
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 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 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
SPS 338 Social Theory and Psychoanalysis
SPS 339 Cyprus Integration and Harmonisation Process (Specific Topics)
SPS 340 Social Theory and Cinema
SPS 348 Applied Qualitative Research
SPS 349 Applied Quantitative Research
SPS 402 Truth, Memory and Reconciliation: Comparative Sociological Perspectives
SPS 403 Historical Sociology
SPS 404 Sociology of Political Parties
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

MAJOR AND MINOR ELECTIVE COURSES FROM OTHER SUBJECT AREAS
4 courses x 6 ECTS = 24 ECTS
Two (2) from the following 4 selections are compulsory:
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 Modern Political Thought
SPS 310 Criminal Justice
SPS 312 Legal Psychology
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 (with thesis)
31 Courses x 6 ECTS = 186 ECTS
4 Courses x 5 ECTS = 20 ECTS
2 Courses x 7 ECTS = 14 ECTS
1 Course x 8 ECTS = 8 ECTS
Thesis I & II = 12 ECTS
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."
### Sociology Degree Per Semester

**With Thesis - TOTAL of 240 ECTS**

#### 1st YEAR

**1st semester (29 ECTS)**
- SPS 101 Introduction to Sociology
- SPS102 Classical Sociological Theories
- SPS105 Introduction to Social Anthropology
- Foreign Language Course I (5 ECTS)
- CS 001 Introduction to Computer Sciences (6 ECTS)

**2nd semester (31 ECTS)**
- SPS 141 Introduction to Social Psychology
- 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
- Foreign Language Course II (5 ECTS)

#### 2nd YEAR

**3rd semester (28 ECTS)**
- Foreign Language Course III (5 ECTS)
- MAS 051 Statistical Methods (5 ECTS)
- SPS 212 History of Sociology
- SPS 221 Sociology of Deviance
- SPS 231 Social Stratification

**4th semester (32 ECTS)**
- SPS 269 Basic Principles of Political Economy
- SPS 241 Cyprus Society
- SPS 301 Cultural Sociology
- SPS 302 Sociology of Economy
- SPS 303 Modernity and Postmodernity

#### 3rd YEAR

**5th semester (30 ECTS)**
- SPS 306 Social Movements
- SPS 314 Political Sociology
- SPS 321 Sociology of Religion
- SPS 325 Social Theory and Law
- SPS 327 Contemporary Trends in Social Theory

**6th semester (30 ECTS)**
- SPS 401 Global Society
  - One course from "Major and Minor elective courses from other subject areas"
  - Three courses "Support and Specialisation"

### Sociology Degree Per Semester

**Without Thesis - TOTAL of 240 ECTS**

#### 1st YEAR

**1st semester (29 ECTS)**
- SPS 101 Introduction to Sociology
- SPS 102 Classical Sociological Theories
- SPS 105 Introduction to Social Anthropology
- Foreign Language Course I (5 ECTS)
- CS 001 Introduction to Computer Sciences (6 ECTS)

**2nd semester (31 ECTS)**
- SPS 141 Introduction to Social Psychology
- 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
- Foreign Language Course II (5 ECTS)

#### 2nd YEAR

**3rd semester (28 ECTS)**
- Foreign Language Course III (5 ECTS)
- MAS 051 Statistical Methods (5 ECTS)
- SPS 212 History of Sociology
- SPS 221 Sociology of Deviance
- SPS 231 Social Stratification

**4th semester (32 ECTS)**
- SPS 269 Basic Principles of Political Economy
- SPS 241 Cyprus Society
- SPS 301 Cultural Sociology
- SPS 302 Sociology of Economy
- SPS 303 Modernity and Postmodernity

#### 3rd YEAR

**5th semester (30 ECTS)**
- SPS 306 Social Movements
- SPS 314 Political Sociology
- SPS 333 Sociology of Religion
- SPS 325 Social Theory and Law
- SPS 327 Contemporary Trends in Social Theory

**6th semester (30 ECTS)**
- SPS 401 Global Society
  - One course from "Major and Minor elective courses from other subject areas"
  - Three courses "Support and Specialisation"

### Sociology Degree Per Semester

**4th YEAR

**7th semester (30 ECTS)**
- SPS 448 Degree Thesis I (6 ECTS)
  - One course from "Major and Minor elective courses from other subject areas"
  - Two courses "Support and Specialisation"

**8th semester (30 ECTS)**
- SPS 448 Degree Thesis II (6 ECTS)
  - One course from "Major and Minor elective courses from other subject areas"
  - Three courses "Support and Specialisation"
Faculty of Economics and Management

DEPARTMENT OF ECONOMICS
ACADEMIC FACULTY

CHAIRPERSON
Michael S. Michael

VICE CHAIRPERSON
Theofanis P. Mamuneas

PROFESSORS
Louis Christofides
Theofanis P. Mamuneas
Michael S. Michael
Panos Pashardes

ASSOCIATE PROFESSORS
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Sofronis Clerides
Christis Hassapis
Panayiota Lyssiotou
Marios Zachariades

ASSISTANT PROFESSORS
Costas Hadjiyiannis
Andros Kourtellos

LECTURERS
Andri Chasampoulli
Paris Cleanthous
Ioannis Kasparis
Nicos Theodoropoulos
Nicos Ziros
INTRODUCTION

Economics is an important discipline because it studies 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:

(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 and with independence of mind. 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) degree in Economics
(b) 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 must be taken in the Department of Economics (courses with code ECO).
(b) 50-54 ECTS must be fulfilled by a number of restricted elective courses approved by the Department (including the courses MAS 001, MAS 061 and CS 003, which students attend during their first year of studies).
(c) 20-24 ECTS must be elective courses taken from at least three different faculties of the University.
(d) 15 ECTS must correspond to the University’s foreign language requirement. The Department recommends that the foreign language be English.
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, of which:

a) at least 124 ECTS must be from the Department of Economics (course codes ECO).
b) 20 ECTS must be elective courses. These courses have to be taken from at least three different faculties of the University.
c) at least 25 ECTS must be from a list of specific courses in the Department of Public and Business Administration (course codes PBA).
d) at least 12 ECTS must be from a list of specific courses in the Department of Social and Political Sciences (course codes SPS).
e) at least 6 ECTS must be from a list of specific courses in the Department of Law (course codes NOM).
f) 23 ECTS must be compulsory courses from other departments.
g) at least 15 ECTS must be in English language courses, and
h) 15 ECTS must be in another foreign language.

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.

DESCRIPTION OF COURSES

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 students an introduction to the basic mathematical methods used in economics. Part 1: Mathematical symbols used in economics, such as summation and product; basic aspects of logic and set theory; mathematical induction, methods of proof. Part 2: Calculus of one and many variables – functions of one variable and many variables and their properties, such as invertibility, continuity, differentiability, monotonicity, convexity/concavity, homogeneity. Limits, sequences, series, continuity and derivatives of first and higher orders, chain rule, implicit differentiation, Taylor’s formula, integration. Part 3: Linear and Matric Algebra – systems of linear equations, matrices and matrix operations, vectors, determinant, inverse, Cramer’s rule. Part 4: Optimisation methods and comparative static’s techniques – single variable and multivariate optimisation, constrained optimisation, Lagrange multiplier method, envelope theorem, comparative statics. Applications to economic problems.

ECO 221 Macroeconomic Theory (7 ECTS)
Prerequisite: ECO 121

ECO 222 Introduction to Econometrics (7 ECTS)
Prerequisite: ECO 212

ECO 223 Mathematics for Economists II (7 ECTS)
Prerequisite: ECO 213
The course focuses on dynamic analysis. In particular, differential equations, higher order differential equations, discrete time difference equations, higher order difference equations, simultaneous differential and difference equations are studied. Other topics covered include the nature of dynamic optimisation, introduction to the calculus of variations, and optimal control theory. Economic applications of all the above will be explained.

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)
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)
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)
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 310 Money, Banking and Financial Markets (6 ECTS)
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)
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)
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)

ECO 314 History of Economic Thought (6 ECTS)
The course covers major developments in economic thought from ancient times until the 20th century. It examines the ideas and theories of major figures in the history of economic thought, including Adam Smith, David Ricardo, Karl Marx, John Maynard Keynes, and other important economists.

ECO 315 International Taxation and National Policy (6 ECTS)
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 imbalances, 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)
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 320 History of Economic Thought (6 ECTS)
The course examines the historical development of economic theory from ancient Greek times until the Second World War.

ECO 324 Introduction to Political Economy and Public Policy (6 ECTS)
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 325 International Economic Relations (6 ECTS)
The course investigates several issues shaping global financial relations. After a brief introduction into the workings of international financial instruments, it studies financial issues among the members of the European Union. The course focuses on linkages between interest rates, prices and exchange rates. Several models attempting to explain the determinants of exchange rates are also discussed.

ECO 326 Urban and Regional Economics (6 ECTS)
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 327 Environmental Economics (6 ECTS)
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)
The objective of the course is the presentation of different methods measuring productivity and technological change. It requires knowledge of producer theory and basic econometrics.

ECO 335 Contemporary Macroeconomic Issues (6 ECTS)
In this course, students are introduced to issues and methods in contemporary Macroeconomics. Topics include rational expectations, incomplete nominal adjustment, models of labour
market outcomes and rigidities, unemployment, infinite horizon and overlapping generations models, real business cycles and new growth theory.

ECO 339 Economic Development Policy (6 ECTS)
The course looks at several policy issues developing countries are facing in their effort to increase per capita income and transform their economic structure. In particular, it studies the determinants of economic growth in developing countries and how these countries differ from industrial countries. Other topics of discussion include the role of foreign direct investment, portfolio investment and foreign aid.

ECO 360 Monetary and Financial Institutions (6 ECTS)
The course examines the role of monetary and financial institutions in an economy. Emphasis is placed on the responsibilities and functions of the monetary authorities (Central Banks) and the role of the banking sector. In relation to the implementation of monetary policy, the roles of three Central Banks are examined individually: the European Central Bank, the Federal Reserve and the Central Bank of Cyprus. A comparison of the policies of these institutions is also undertaken. In addition, the course examines issues of the international financial system and the role of the International Monetary Fund. Finally, other financial institutions are analysed, such as the insurance sector and the stock exchange.

ECO 361 Managerial Economics (6 ECTS)
In today’s dynamic economic environment, effective managerial decision-making requires timely and efficient use of information. The purpose of this course is to provide students with a basic understanding of economic theory and analytical tools that can be used in decision-making problems. The course will sharpen the analytical skills of the students through integrating their knowledge of economic theory with decision-making techniques. Students will learn to use economic models to isolate the relevant elements of a managerial problem, identify their relationships, and formulate them into a managerial model to which decision-making tools can be applied.

ECO 362 Structure and Strategy of Firms (6 ECTS)
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)
The government plays an important role in overseeing business behaviour and market structure even in heavily market-oriented economies. Economic regulation directly controls major decisions in certain industries and is the subject matter of this course. The course examines the rationale, techniques and impact of regulatory policy. It also examines the institutional set-up for the introduction and monitoring of regulations in various countries. It studies theories of regulation such as political economy models and theory of capture. It discusses various forms of regulation, such as price cap and rate of return regulation in the context of the most widely accepted case for regulation, that of natural monopoly, and discusses the case for regulation under different industry structures. The theory is exemplified with the study of particular industries, such as telecommunications.

ECO 370 Topics in Financial and Monetary Economics (6 ECTS)
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 (CAPM), the Consumption CAPM, 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 391 National Accounts (6 ECTS)
The course introduces students to the basic concepts, definitions and use of National Accounts, the relationship between National Accounts and economic theory, the international System of National Accounts (SNA) and the European System of Accounts (ESA), sources and methods of compiling National Accounts in Cyprus and the system of National Accounts in Cyprus and the use of such data.

ECO 398 Topics on the Cyprus Economy (6 ECTS)
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 Seminar A (6 ECTS)
The course is the first part of a research project that investigates an economic problem involving the Cypriot or the international economy. During this first 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 405 Topics in International Economics (6 ECTS)
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 408 Economic Growth (6 ECTS)**
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 415 Game Theory (6 ECTS)**
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 416 Topics in European Economic Integration (6 ECTS)**
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 421 Economics of Information and Contracts (6 ECTS)**
Based on recent developments in microeconomic theory and game theory, the course examines the importance of information in contracts between economic agents.

**ECO 473 Applied Econometrics (6 ECTS)**
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 Seminar B (8 ECTS)**
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.
<table>
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<th>1st YEAR</th>
<th>ECTS</th>
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<td>CS 003 Introduction to Computer Science</td>
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<td>LAN 100 General Advanced English</td>
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<td>ENG 210 Topics in English: Literature and Culture</td>
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<td>ECO 303 Econometrics (ECO 222)</td>
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**Note:** The courses in brackets are prerequisites.
### TABLE C: RESTRICTED ELECTIVE COURSES FROM OTHER DEPARTMENTS FOR THE DEGREE IN ECONOMICS

<table>
<thead>
<tr>
<th>Department of Business Administration</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>All the elective courses offered by the Department. Certain courses carry prerequisites.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department of Mathematics and Statistics</th>
<th>ECTS</th>
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</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>
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</tr>
<tr>
<td>MAS 121 Linear Algebra I</td>
<td>8</td>
</tr>
<tr>
<td>MAS 131 Basic Mathematics</td>
<td>8</td>
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<tr>
<td>MAS 261 Probabilities I</td>
<td>8</td>
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<tr>
<td>MAS 262 Statistics I</td>
<td>8</td>
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<tr>
<td>MAS 271 Numerical Analysis I</td>
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</table>

### TABLE D: REQUIREMENTS FOR A MINOR IN ECONOMICS

**BASIC COURSES (42 ECTS)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>ECTS</th>
</tr>
</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>
<td>7</td>
</tr>
</tbody>
</table>

**ELECTIVE COURSES**

(at least 18 ECTS)

**GROUP A**

At least two courses from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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 308</td>
<td>Economic Development (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 310</td>
<td>Money, Banking and Financial Markets (ECO 221)</td>
<td>6</td>
</tr>
<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 398</td>
<td>Topics on the Cyprus Economy (ECO 211, ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 473</td>
<td>Applied Econometrics (ECO 303)</td>
<td>6</td>
</tr>
</tbody>
</table>

**GROUP B**

At least one course from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>ECTS</th>
</tr>
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<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 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 325</td>
<td>International Economic Relations (ECO 221)</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 327</td>
<td>Environmental 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 335</td>
<td>Contemporary Macroeconomic Issues (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 336</td>
<td>Theory of Economic Policy (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 339</td>
<td>Economic Development Policy (ECO 211, ECO 221, ECO 222)</td>
<td>6</td>
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<tr>
<td>ECO 360</td>
<td>Monetary and Financial Institutions (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 361</td>
<td>Managerial Economics (ECO 211)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 362</td>
<td>Structure and Strategy of Firms (ECO 312)</td>
<td>6</td>
</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>
<tr>
<td>ECO 391</td>
<td>National Accounts</td>
<td>6</td>
</tr>
<tr>
<td>ECO 405</td>
<td>Topics in International Economics (ECO 305)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 408</td>
<td>Economic Growth (ECO 302)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 415</td>
<td>Game Theory (ECO 301)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 416</td>
<td>Topics in European Economic Integration (ECO 221)</td>
<td>6</td>
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<tr>
<td>ECO 421</td>
<td>Economics of Information and Contracts (ECO 301)</td>
<td>6</td>
</tr>
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</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>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st semester</td>
<td>ECO 111</td>
<td>Principles of Microeconomics</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>MAS 001</td>
<td>Mathematics I</td>
<td>6</td>
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<tr>
<td></td>
<td>MAS 061</td>
<td>Statistical Analysis I</td>
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<td></td>
<td>CS 003</td>
<td>Introduction to Computer Science</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>LAN 100</td>
<td>General Advanced English</td>
<td>5</td>
</tr>
<tr>
<td>2nd semester</td>
<td>ECO 121</td>
<td>Principles of Macroeconomics</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>ECO 213</td>
<td>Mathematics for Economists I (MAS 001)</td>
<td>7</td>
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<tr>
<td></td>
<td>LAN 101</td>
<td>Academic English</td>
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<td></td>
<td>SPS</td>
<td>Elective Course</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
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<tr>
<td>3rd semester</td>
<td>ECO 211</td>
<td>Microeconomic Theory (ECO 111)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>ECO 212</td>
<td>Applications of Quantitative Methods in Economics (MAS 061)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>HIS 181</td>
<td>Introduction to Modern European History (1789-1918)</td>
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<tr>
<td></td>
<td>LAN</td>
<td>First Level of a Second European Language</td>
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<tr>
<td></td>
<td>PBA/LAW</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>4th semester</td>
<td>ECO 221</td>
<td>Macroeconomic Theory (ECO 121)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>ECO 222</td>
<td>Introduction to Econometrics (ECO 212)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>ENG 210</td>
<td>Topics in English Literature and Culture</td>
<td>5</td>
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<tr>
<td></td>
<td>LAN</td>
<td>Second Level of a Second European Language</td>
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<tr>
<td></td>
<td>SPS</td>
<td></td>
<td>6</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5th semester</td>
<td>ECO 303</td>
<td>Econometrics (ECO 222)</td>
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<tr>
<td></td>
<td>LAN</td>
<td>Third Level of a Second European Language</td>
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<tr>
<td></td>
<td>ECO</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ECO</td>
<td></td>
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<tr>
<td></td>
<td>LAW/PBA</td>
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<td>6th semester</td>
<td>ECO</td>
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<td>ECO</td>
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<td></td>
<td>ECO</td>
<td></td>
<td>6</td>
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<td></td>
<td>PBA</td>
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<td>7</td>
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<tr>
<td></td>
<td>Elective Course</td>
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<td>6</td>
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<tr>
<td>7th semester</td>
<td>ECO 399</td>
<td>Seminar A (ECO 211, ECO 221, ECO 222)</td>
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<td></td>
<td>ECO</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ECO</td>
<td></td>
<td>6</td>
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<tr>
<td></td>
<td>PBA</td>
<td></td>
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<tr>
<td></td>
<td>Elective Course</td>
<td></td>
<td>5</td>
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<tr>
<td>8th semester</td>
<td>ECO 499</td>
<td>Seminar B (ECO 399)</td>
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<td></td>
<td>ECO</td>
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<td>6</td>
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<tr>
<td></td>
<td>ECO</td>
<td></td>
<td>6</td>
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<tr>
<td></td>
<td>PBA</td>
<td></td>
<td>6</td>
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<tr>
<td></td>
<td>Elective Course</td>
<td></td>
<td>5</td>
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**Note:** The courses in brackets are prerequisites

### TABLE F: COMPULSORY COURSES FOR THE DEGREE IN INTERNATIONAL, EUROPEAN AND ECONOMIC STUDIES

<table>
<thead>
<tr>
<th>ECTS</th>
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<tbody>
<tr>
<td>ECO 305</td>
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<tr>
<td>ECO 306</td>
</tr>
<tr>
<td>ECO 315</td>
</tr>
<tr>
<td>ECO 316</td>
</tr>
<tr>
<td>ECO 416</td>
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</table>
### Department of Economics

Selection of four courses from:

<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
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</thead>
<tbody>
<tr>
<td>ECO 301 Topics in Microeconomics (ECO 211)</td>
<td>7</td>
</tr>
<tr>
<td>ECO 302 Topics in Macroeconomics (ECO 221)</td>
<td>7</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 325 International Trade (ECO 211)</td>
<td>6</td>
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<tr>
<td>ECO 327 Environmental Economics (ECO 211)</td>
<td>6</td>
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<tr>
<td>ECO 360 Monetary and Financial Institutions (ECO 221)</td>
<td>6</td>
</tr>
<tr>
<td>ECO 363 Regulation Theory and Policy (ECO 211)</td>
<td>6</td>
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<tr>
<td>ECO 405 Topics in International Economics (ECO 305)</td>
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### Department of Social and Political Sciences

Selection of two courses from:

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<tbody>
<tr>
<td>SPS 152 Comparative Politics</td>
<td>6</td>
</tr>
<tr>
<td>SPS 153 International Relations</td>
<td>6</td>
</tr>
<tr>
<td>SPS 156 European Integration</td>
<td>6</td>
</tr>
<tr>
<td>SPS 266 Political System of the European Union</td>
<td>6</td>
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<tr>
<td>SPS 361 Cyprus and the European Union</td>
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### Department of Public and Business Administration

Selection of four courses from:

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

Selection of one course from:

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>LAW 201 European Union Law</td>
<td>6</td>
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<tr>
<td>LAW 205 Public International Law</td>
<td>6</td>
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</tbody>
</table>

**Elective Courses**

Four elective courses of 5 ECTS each

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*Note: The courses in brackets are prerequisites*
ACADEMIC FACULTY

CHAIRPERSON
George Kassinis

VICE CHAIRPERSON
George Hadjinicolas

PROFESSORS
Christakis Charalambous
Andreas Charitou
Leonidas C. Leonidou
Alexandros Michaelides
Lenos Trigeorgis
Nikos Vafeas
Haridimos Tsoukas
Stavros A. Zenios

ASSOCIATE PROFESSORS
George Hadjinicolas
George Kassinis
Errikos Kontoghiorghies
Spiros Marzoukos
Andreas Soteriou
Hercules Vladimirou

ASSISTANT PROFESSORS
George Drymiotis
Irene Karamanou
George Nishiotis
Eleni Stavrou-Costea
Marios Theodosiou

LECTURERS
Andreas Milidonis
Nicos Nicolaou
Alexia Panayiotou
Leonidas Rombolis
Costas Xiouros
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 operation. The adage “lead, follow or get out of the way” becomes particularly relevant for new managers at the turn of the century.

The Department of Public and Business Administration (PBA) 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 accepted management principles with a sensitivity to the realities and priorities of the local and regional industries. 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 the programme of studies.

OBJECTIVES OF THE DEPARTMENT
The Department’s aim is “to provide local and regional leadership in all aspects of Public and Business Administration, and to achieve international recognition as a centre of business research excellence.”

This aim is achieved by a systematic effort in:
(a) The education of tomorrow’s business leaders for Cyprus and the region;
(b) The pursuit of research of international impact; and
(c) The establishment of professional development courses and collaborative projects with local and regional industry.

EDUCATIONAL MISSION
The Department offers B.Sc. degrees in the following areas of concentration:
- Accounting
- Finance
- Management
- Management Science
- Marketing

The degrees emphasise both breadth of education across all functional areas of the business enterprise and substantive depth in one of the above areas.

Students are also expected to acquire a broader liberal arts education through elective courses, besides the requirements for the development of substantial technical skills. Courses in Mathematics, Statistics, Informatics, and Economics are integral parts of the curriculum.

During their last two semesters of study, students have the option to undertake a major thesis project or to take two advanced courses from the Department. The thesis project typically involves sponsorship by local industries, and concerns the application of modern business methodologies to practical problems facing the sponsoring institutions.

Graduates of the Department should be able to make immediate and substantial contributions to their industry of employment, and will be well positioned to eventually move into top managerial and leadership roles in accounting, finance, deployment and management of information systems, personnel management and planning, operations and production management, marketing and so on. Employment opportunities exist in manufacturing and trade companies, in banking and insurance, in accounting and auditing firms, in consulting and market research firms, and in the transportation, tourism and utility industries, as well as in the public sector.

Graduates of the Department also have the fundamental training to continue a life-long education, and pursue higher degrees (M.B.A., M.Sc. or Ph.D.) either at the University of Cyprus, or in other international academic institutions.

Currently, the Department offers degrees at the M.Sc. and Ph.D. level, as well as a Master in Business Administration (MBA), which is offered on a part-time or a full-time basis in either English or Greek. Moreover, our graduates are accepted by the Institute of Chartered Accountants in England and Wales, by the Chartered Association of Certified Accountants, and by the Chartered Institute of Management Accountants (CIMA).
Our graduates are exempted from nine examinations of the Association of Chartered Certified Accountants (ACCA) and are also exempted from four courses of the Institute of Chartered Accountants of England and Wales (ICAEW).

PROFESSIONAL DEVELOPMENT AND LOCAL INDUSTRIAL COLLABORATIONS

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

STUDENT EXCHANGE PROGRAMMES

The Department established bilateral student and faculty exchange agreements with several European universities in the context of Socrates/Erasmus as well as other exchange programmes with an international focus. We have hosted students from Italy, Belgium, Austria, Finland, Germany, Spain, Greece and Poland, while we have sent students to Spain, Greece, Belgium, UK, Austria, Switzerland, as well as to the USA. Within the same context, some of our faculty have visited Italy, Greece, Belgium and other countries and faculty from abroad have visited our Department. We established collaborations with prominent academic institutions in Italy, Spain, Germany, Austria, Greece, Portugal, and Belgium. Furthermore, we continue our efforts to expand collaborations with academic institutions in other countries as well. Our aim is to provide rich intercultural experiences within an academic framework to both our faculty and students, thus enhancing the research and professional capabilities of those two major stakeholders – our University and the community at large.

PROGRAMME OF STUDIES

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

- Accounting
- Finance
- Management
- Management Science
- Marketing

Most of the courses during the first four semesters are common for all students of 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 areas of concentration. The development of basic analytical, quantitative and computing skills is a primary objective of the curriculum in the first four semesters. By the end of the fourth semester, students will have developed a broad understanding of business education to make an informed choice of an area of specialisation that 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 in-depth study in a particular area of concentration. Elective courses taken from the other faculties of the University complete the students’ broad educational background. During the final year of their studies, students have the option of undertaking a senior thesis project under the supervision of a faculty member, or taking two advanced courses from the Department.

The degree requirements are summarised as follows:

- **Foreign Language (15 ECTS)**
  Three courses in a foreign language (preferably English)
- **General Education (44 ECTS)**
  Seven courses in Economics, Mathematics, Statistics, Computer Science
- **Elective Courses (20 ECTS)**
  Three-four courses outside the major area of study and from at least two faculties of the University
- **Business Fundamentals (71 ECTS)**
  Eleven principal courses in various business disciplines
- **Business Breadth (30 ECTS)**
  Five courses in the School of Economics and Management, but not in the student’s area of concentration
- **Business Depth (48 ECTS)**
  Eight courses in a specific area of concentration in the Department
- **Optional Senior Thesis (12 ECTS)**
  A substantial piece of independent research work that is undertaken during the last two semesters of studies or two advanced courses (one business breadth and one business depth).
MINORS
The Department offers, to a limited number of students of other departments, a Minor in:
a) Accounting and
b) Business.

Minor in Accounting
The Department of Public and Business Administration offers a Minor in Accounting for a limited number of students of other departments. The course requirements for this degree are indicated in Table D.

Minor in Business
The Department of Public and Business Administration offers a Minor in Business for a limited number of students from other departments. The programme offers the opportunity to understand the fundamental principles and concepts of Business Administration. The course requirements are indicated in Table E. Students should take at least 42 ECTS in compulsory courses and 18 ECTS in elective courses.

EDUCATIONAL FACILITIES
The Centre for Banking and Financial Research operates the “HERMES Laboratory for Financial Modelling and Simulation.” This laboratory consists of several workstations, linked via a high-speed network. The laboratory has also been equipped with a parallel supercomputer through a research programme funded by the European Union.

Students have access to the Computer Laboratories of the University for their homework assignments and research projects. A modern microcomputer laboratory has recently been established for the students of the Faculty of Economics and Management. Lectures in Accounting, Finance and Management Science are supplemented with the use of the latest business software and related databases.

The University library receives all major European and North American journals and business magazines and databases, such as Compustat, Global Vantage, CRSP tapes, ABI Inform, SEC, Wall Street Journal CD, Silverplatter. An extensive collection of business textbooks and advanced research publications is continually enriched.

COURSE DESCRIPTIONS

Business Fundamentals

PBA 111 Financial Accounting Principles (7 ECTS)
The course examines the basic concepts of financial accounting, with an emphasis on the nature of the assumptions underlying conventional measurement techniques and reporting procedures. Accounting is defined as an information system for decision-making purposes. The relationship between accounting and the business environment is stressed. Topics include: preparation of the major financial statements, the accounting cycle, income measurement, inventory valuation, financial statement analysis and presentation.

PBA 131 Principles of Management (6 ECTS)
The purpose of this course is to provide an understanding of the nature and role of management in an organization. The course focuses on key management concepts such as communication, decision making, strategic planning, motivation, managing change and creating effective groups. Special attention is given to the role of ethics, culture and gender in managing complex organizations.

PBA 132 Information Systems in Business (7 ECTS)
The course provides introductory coverage of the operational, managerial and strategic functions of computer information systems in businesses. It covers fundamental issues concerning computer technology, its applications, and development and management of information systems’ resources. Students become familiar with common business software packages - wordprocessors, spreadsheets, databases - and acquire skills in their use to solve business problems.

PBA 211 Managerial and Cost Accounting (7 ECTS)
The purpose of this course is to provide accounting information to managers for planning, control, performance evaluation and decision-making purposes. Topics include cost classification and behaviour, use of cost data in cost-volume-profit analysis, costing systems, cost control through variance analysis, and the use of cost data for decision-making purposes.

PBA 222 Corporate Financial Management (7 ECTS)
The course covers applications of Net Present Value (NPV) to capital budgeting investments, the risk-return trade-off, portfolio management, market efficiency, the cost of capital, financial leverage (debt policy or optimal capital structure), dividend policy, and basic valuation techniques.

PBA 231 Organizational Behaviour (6 ECTS)
The course examines the impact that individuals, groups, and structure have on behaviour within an organization. Topics covered include: individual behaviour, perceptions and individual decision-making, motivation theories, group behaviour and decision making, leadership, power and conflict, organization structure and design, organizational culture, and organizational change and development.
PBA 232 Quantitative Methods in Business I
The course covers the application of quantitative methods to solve practical business problems. Topics include: probability, statistical analysis, regression analysis, forecasting, simulation, decision theory, and optimisation models. Emphasis is placed on developing quantitative decision support skills.

PBA 241 Introduction to Management Science (6 ECTS)
An introductory course on the methods and techniques of management science, with examples of their use in supporting business decisions. It includes an introduction to linear programming, network modelling, inventory modelling, and decision trees. The methods and techniques covered in this course are applied to the analysis of practical case studies.

PBA 251 Principles of Marketing (6 ECTS)
The course introduces the concept and role of marketing in corporate activity. It analyses the main parameters of the business environment and investigates their effect on the process of taking marketing decisions. It examines the marketing information system, the behaviour of consumers and organisational buyers and the process of target marketing. In addition, it provides a broad overview of the key elements of the marketing mix programme, namely products, pricing, distribution channels, and promotion.

PBA 435 Business Policy (7 ECTS)
The course addresses the company’s policy issues such as vision, mission, and objective. Emphasis is placed on competitive analysis, competitive advantage (Porter’s models), structures and control of management processes, diversification strategies, culture and leadership. For other course descriptions in the various business disciplines see the Department’s Prospectus.
### Table A: General Requirements of the Programme of Studies

<table>
<thead>
<tr>
<th>Foreign Language</th>
<th>ECTS</th>
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<tbody>
<tr>
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<table>
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<tr>
<td>ECO 111 Principles of Microeconomics</td>
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<td>ECO 121 Principles of Macroeconomics</td>
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<tr>
<td>CS 032 Computer Programming for Problem Solving</td>
<td>6</td>
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<td>MAS 001 Mathematics I</td>
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<tr>
<td>MAS 002 Mathematics II</td>
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<tr>
<td>MAS 061 Statistical Analysis I</td>
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</tr>
<tr>
<td>MAS 062 Statistical Analysis II</td>
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<td><strong>TOTAL</strong></td>
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<table>
<thead>
<tr>
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<td>PBA 131 Principles of Management</td>
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<tr>
<td>PBA 132 Information Systems in Business</td>
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<tr>
<td>PBA 211 Managerial and Cost Accounting</td>
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<tr>
<td>PBA 222 Corporate Financial Management</td>
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<tr>
<td>PBA 231 Organizational Behaviour</td>
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<tr>
<td>CS 003 Introduction to Computer Science</td>
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<tr>
<td>PBA 241 Introduction to Management Science</td>
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<tr>
<td>PBA 251 Principles of Marketing</td>
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</tr>
<tr>
<td>PBA 435 Business Policy</td>
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<td><strong>TOTAL</strong></td>
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### Table B: Summary of Courses per Semester

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<td>ECO 111 Principles of Microeconomics</td>
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<td>PBA 131 Principles of Management</td>
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<tr>
<td>PBA 132 Information Systems in Business</td>
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<tr>
<td>MAS 001 Mathematics I</td>
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<td>ECO 121 Principles of Macroeconomics</td>
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<td>PBA 111 Financial Accounting Principles</td>
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<tr>
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<tr>
<td>PBA 211 Managerial and Cost Accounting</td>
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<td>PBA 241 Introduction to Management Science</td>
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<td>PBA 251 Principles of Marketing</td>
</tr>
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<td>LAN 201 Business Communication for Management</td>
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<tr>
<td>MAS 061 Statistical Analysis I</td>
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<td><strong>4th Semester</strong></td>
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<td>PBA 222 Corporate Financial Management</td>
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<td>PBA 231 Organizational Behaviour</td>
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<tr>
<td>CS 032 Programming Methods for Problem Solving</td>
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<tr>
<td>MAS 062 Statistical Analysis II</td>
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<td>One Elective Course</td>
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<table>
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<th><strong>3rd Year</strong></th>
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<tr>
<td><strong>5th Semester</strong></td>
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<tr>
<td>Two Business Depth courses</td>
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<tr>
<td>Two Business Breadth courses (from FEM*)</td>
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<td>One Elective Course</td>
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<tr>
<td><strong>6th Semester</strong></td>
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<tr>
<td>Three Business Depth courses</td>
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<tr>
<td>One Business Breadth course (from FEM*)</td>
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<td>One Elective Course</td>
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<table>
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<tr>
<th><strong>4th Year</strong></th>
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<tr>
<td><strong>7th Semester</strong></td>
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<td>Two Business Breadth courses (from FEM*)</td>
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<tr>
<td>Senior Thesis</td>
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<tr>
<td>or</td>
</tr>
<tr>
<td>One Business Depth or one Business Breadth course</td>
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<tr>
<td><strong>8th Semester</strong></td>
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<tr>
<td>PBA 435 Business Policy</td>
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<tr>
<td>One Business Depth course</td>
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<td>One Business Breadth course (from FEM*)</td>
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<td>One Elective Course</td>
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<tr>
<td>Senior Thesis</td>
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<tr>
<td>or</td>
</tr>
<tr>
<td>One Business Depth or one Business Breadth course</td>
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**Note:** *FEM=Faculty of Economics and Management*
<table>
<thead>
<tr>
<th>TABLE C: COURSES FOR THE LAST TWO YEARS BY CONCENTRATION</th>
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<tbody>
<tr>
<td>ECTS</td>
</tr>
<tr>
<td>PBA 311 Financial Reporting 6</td>
</tr>
<tr>
<td>PBA 312 Advanced Managerial Accounting 6</td>
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<tr>
<td>PBA 313 Auditing 6</td>
</tr>
<tr>
<td>PBA 314 Cyprus Business Law 6</td>
</tr>
<tr>
<td>PBA 316 Cyprus Taxation 6</td>
</tr>
<tr>
<td>PBA 317 Accounting Information Systems 6</td>
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<tr>
<td>PBA 318 Principles of Auditing 6</td>
</tr>
<tr>
<td>PBA 319 Principles of Taxation 6</td>
</tr>
<tr>
<td>PBA 411 Financial Analysis 6</td>
</tr>
<tr>
<td>PBA 412 International Accounting 6</td>
</tr>
<tr>
<td>PBA 414 Advanced Taxation 6</td>
</tr>
<tr>
<td>PBA 415 Contemporary Issues in Accounting 6</td>
</tr>
<tr>
<td>PBA 416 Accounting Theory 6</td>
</tr>
<tr>
<td>PBA 417 Auditing II 6</td>
</tr>
<tr>
<td>PBA 418 Advanced Financial Accounting 6</td>
</tr>
<tr>
<td>PBA 419 Advanced Cyprus Taxation 6</td>
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<tr>
<td>PBA 492/3 Senior Thesis in Accounting 6/6</td>
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<tr>
<td>ECTS</td>
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<tr>
<td>PBA 424 Financial Modelling 6</td>
</tr>
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<td>PBA 425 Contemporary Topics in Finance 6</td>
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<tr>
<td>PBA 496/7 Senior Thesis in Finance 6/6</td>
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<td>ECTS</td>
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<tr>
<td>PBA 411 Financial Analysis 6</td>
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<tr>
<td>PBA 424 Financial Modelling 6</td>
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<tr>
<td>PBA 440 Case Studies in Business Modelling 6</td>
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<tr>
<td>PBA 441 Production Planning 6</td>
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<tr>
<td>PBA 442 Linear and Nonlinear Programming 6</td>
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<tr>
<td>PBA 443 Stochastic Systems 6</td>
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<tr>
<td>PBA 444 Manufacturing Strategy 6</td>
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<tr>
<td>PBA 445 Management of Service Operations 6</td>
</tr>
<tr>
<td>PBA 446 Applications of Neural Networks in Business 6</td>
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<tr>
<td>PBA 447 Quantitative Methods in Business III 6</td>
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<tr>
<td>PBA 449 Current Topics in Management Science 6</td>
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<tr>
<td>PBA 490/1 Senior Thesis in Management Science 6</td>
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<tr>
<td>ECTS</td>
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<tr>
<td>PBA 351 Marketing Research 6</td>
</tr>
<tr>
<td>PBA 352 Consumer Behaviour 6</td>
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<tr>
<td>PBA 353 Sales Management 6</td>
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<td>PBA 354 Marketing Communication 6</td>
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<td>PBA 355 Distribution Management 6</td>
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<td>PBA 451 Services Marketing 6</td>
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<td>PBA 452 International Marketing 6</td>
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<td>PBA 453 Strategic Marketing 6</td>
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<td>PBA 454 Business-to-Business Marketing 6</td>
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<td>PBA 455 Seminar in Marketing 6</td>
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<td>PBA 456 Electronic Marketing 6</td>
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<td>PBA 494/5 Senior Thesis in Marketing 6/6</td>
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<td>ECTS</td>
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<tr>
<td>PBA 314 Cyprus Business Law 6</td>
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<tr>
<td>PBA 318 Principles of Auditing 6</td>
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<tr>
<td>PBA 319 Principles of Taxation 6</td>
</tr>
<tr>
<td>PBA 321 Advanced Corporate Finance 6</td>
</tr>
<tr>
<td>PBA 322 Investment and Portfolio Management 6</td>
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<tr>
<td>PBA 333 Management Information Systems 6</td>
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<table>
<thead>
<tr>
<th>TABLE D: REQUIREMENTS FOR A MINOR IN ACCOUNTING</th>
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<tbody>
<tr>
<td>ECTS</td>
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<tr>
<td>PBA 211 Managerial and Cost Accounting 7</td>
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<td>PBA 222 Corporate Financial Management 7</td>
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<tr>
<td>PBA 311 Financial Reporting 6</td>
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<td>PBA 312 Advanced Managerial Accounting 6</td>
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<td>ECTS</td>
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<tr>
<td>PBA 318 Principles of Auditing 6</td>
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<tr>
<td>PBA 319 Principles of Taxation 6</td>
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<tr>
<td>PBA 321 Advanced Corporate Finance 6</td>
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<tr>
<td>PBA 322 Investment and Portfolio Management 6</td>
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<td>PBA 333 Management Information Systems 6</td>
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<td>ECTS</td>
</tr>
<tr>
<td>PBA 412 International Accounting 6</td>
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<td>PBA 415 Contemporary Issues in Accounting 6</td>
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<td>PBA 417 Auditing II 6</td>
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<tr>
<td>PBA 418 Advanced Financial Accounting 6</td>
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<td>PBA 419 Advanced Cyprus Taxation 6</td>
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### TABLE E: REQUIREMENTS FOR A MINOR IN BUSINESS

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<tr>
<th><strong>Compulsory Courses</strong></th>
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<tbody>
<tr>
<td>PBA 111 Financial Accounting Principles</td>
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<tr>
<td>PBA 131 Principles of Management</td>
<td>6</td>
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<td>PBA 132 Information Systems in Business</td>
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<tr>
<td>PBA 211 Managerial and Cost Accounting</td>
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</tr>
<tr>
<td>PBA 222 Corporate Financial Management</td>
<td>7</td>
</tr>
<tr>
<td>PBA 231 Organizational Behaviour</td>
<td>6</td>
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<tr>
<td>PBA 241 Introduction to Management Science</td>
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<tr>
<td>PBA 251 Principles of Marketing</td>
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<tr>
<td>PBA 435 Business Policy</td>
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<tr>
<th><strong>Management Science Electives</strong></th>
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<tbody>
<tr>
<td>PBA 341 Operations Management</td>
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<tr>
<td>PBA 343 Applied Mathematical Modelling</td>
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<tr>
<td>PBA 344 Network Modelling and Dynamic Programming</td>
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<tr>
<td>PBA 345 Management and Improvement of Quality</td>
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<tr>
<td>PBA 440 Case Studies in Business Modelling</td>
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<tr>
<td>PBA 442 Linear and Nonlinear Programming</td>
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<thead>
<tr>
<th><strong>Accounting Electives</strong></th>
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<tbody>
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<td>PBA 312 Advanced Managerial Accounting</td>
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<tr>
<td>PBA 313 Introduction to Business Law</td>
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<td>PBA 319 Principles of Taxation</td>
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<td>PBA 411 Financial Analysis</td>
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<td>PBA 351 Marketing Research</td>
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<td>PBA 352 Consumer Behaviour</td>
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<td>PBA 353 Sales Management</td>
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<td>PBA 354 Marketing Communications</td>
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<td>PBA 446 Electronic Marketing</td>
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<td>PBA 452 International Marketing</td>
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<tr>
<th><strong>Management Electives</strong></th>
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<tr>
<td>PBA 332 Business Ethics</td>
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<td>PBA 333 Management Information Systems</td>
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<td>PBA 334 Human Resource Management</td>
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<td>PBA 335 Cross-cultural Management</td>
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<td>PBA 434 Entrepreneurship</td>
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<td>PBA 436 Leadership</td>
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<td>PBA 437 Management of Change</td>
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<td>PBA 439 Management of Public Organizations</td>
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<td>PBA 322 Investments and Portfolio Management</td>
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<td>PBA 323 Modern Capital Budgeting</td>
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<td>PBA 324 Bank Financial Management</td>
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<tr>
<td>PBA 325 Options, Futures, and Risk Management</td>
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<td>PBA 421 Financial Policy</td>
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<td>PBA 423 International Financial Management</td>
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<td>PBA 424 Financial Modelling</td>
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<tr>
<td>PBA 425 Contemporary Topics in Finance</td>
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</tr>
</tbody>
</table>
ACADEMIC FACULTY

**ACTING CHAIRPERSON**  
Marios C. Phocas

**ASSOCIATE PROFESSOR**  
Marios C. Phocas

**ASSISTANT PROFESSORS**  
Christos Hadjichristos  
Panagiota I. Pyla  
Andreas Savvides  
Sokrates Stratis

**LECTURERS**  
Nadia Charalambous  
Maria Philokyprou

**ADVISORY COMMITTEE**  
Theocharis David, Professor, Pratt Institute, USA  
Pierre von Meiss, Professor, EPFL, Switzerland  
Byron Mikellides, Professor, Oxford Brookes University, UK  
Nicos Polydorides, Professor, University of Patras, Greece  
Danieli Shefer, Professor, Technion, Israel
INTRODUCTION

The role and significance of architecture cannot be overestimated. Affecting both people and the environment on many levels, the field 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 in producing architectural skills 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 preserve 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 to educate 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 basic elements of pictorial depiction and visual communication, while familiarising them with basic media such as pencil, ink, charcoal and watercolour. Line weight, 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, with an emphasis on methods which use descriptive geometry. Systems of projection for plans, elevations and sections, isometric drawings, orthogonal and oblique projections, perspectives. The student is also introduced to the basics of CAD.

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
Design of a building complex with a specified functional programme. Spatial configuration to accommodate the interaction of various user groups. Site organization and contextual considerations. Research component, typologies. Elements of interior space, light, materials. Environmental considerations. A project of complexity requiring an increasingly holistic approach. Studio supervision accompanied by lectures.

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)
The relationship between architecture and society. Basic concepts of perception, cognition, colour theory, private and public space, the cultured and the natural, social groups, gender roles and the built environment, space and power, architectural semantics.

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)
Construction design and detailing in timber. Introduction to timber structures. Structural systems classification and basic principles of skeleton construction. Structure, exterior walls and openings, foundations, floor and roof conditions. Case studies on manufacture, construction, assembly and historical development of timber as building materials.

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

Architectural design of a site-specific building of advanced technical requirements leading to 1:1 detailing. Focus on architectural technology, with accompanying lectures on the methodology of the integrative approach to design. Preliminary urban investigation, functional requirements and building form. Structure as primary component in architectural design, development of design alternatives. Building envelope, transparency, selection of systems and materials, technical requirements. Integration of technical development systems for environmental control of the interior, energy efficiency.

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
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 Ecology: Critical Perspectives (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 effects 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
Introduction to earthquake resistant structures. Static and dynamic excitations, earthquake characteristics, mechanic properties of buildings, building form and dimensions, horizontal load bearing structures, principles of earthquake resistant design, construction design of non-load-bearing elements. New technologies for kinetic buildings with dynamic adaptability, structural control and earthquake isolation.

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 for other Departments

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)
Computer-aided design in an integrated digital environment, 2-D and 3-D computer-aided design techniques, drafting, modelling, rendering of forms and elements, static analysis and structural design, project management.

ARH 331.2 Building Technology (5 ECTS)
### 1st YEAR

**1st Semester (30 ECTS)**
- ARH 100 Architectural Design I: 10 ECTS
- ARH 110 Architecture in Context: 5 ECTS
- ARH 124 Architectural Communication Media I: 5 ECTS
- CEE 130 Structures I: 5 ECTS
- LAN 100 General Advanced English: 5 ECTS

**2nd Semester (30 ECTS)**
- ARH 101 Architectural Design II: 10 ECTS
- ARH 111 History of Architecture I: 5 ECTS
- ARH 121 Architectural Communication Media II: 5 ECTS
- CEE 133 Structures II: 5 ECTS
- LAN 104 English for Technical Purposes: 5 ECTS

### 2nd YEAR

**3rd Semester (30 ECTS)**
- ARH 200 Architectural Design III: 10 ECTS
- ARH 210 History of Architecture II: 5 ECTS
- ARH 220 Digital Architectural Communication Media: 5 ECTS
- ARH 222 Visual Culture: 5 ECTS
- ARH 230 Construction I: 5 ECTS

**4th Semester (30 ECTS)**
- ARH 201 Architectural Design IV: 10 ECTS
- ARH 211 Architecture and Society: 5 ECTS
- ARH 233 Construction II: 5 ECTS
- ARH 241 Theory of Urban Design: 5 ECTS
- CEE 241 Reinforced Concrete Structures: 5 ECTS

### 3rd YEAR

**5th Semester (30 ECTS)**
- ARH 300 Architectural Design V – Urban Design: 10 ECTS
- ARH 310 History and Theory – Contemporary Architecture: 5 ECTS
- ARH 330 Construction III: 5 ECTS
- ARH 332 Technical Development Systems: 5 ECTS
- ARH 340 Landscape Architecture: 5 ECTS

**6th Semester (30 ECTS)**
- ARH 301 Architectural Design VI – Architectural Technology: 10 ECTS
- ARH 311 Vernacular Architecture and Contemporary Issues: 5 ECTS
- ARH 313 Architecture and Philosophy: 5 ECTS
- ARH 331.1 Building Technology: 5 ECTS
- ARH 4xx Constrained elective course: 5 ECTS

### 4th YEAR

**7th Semester (30 ECTS)**
- ARH 400 Architectural Design VII: 10 ECTS
- ARH 410 Architectural Practice: 5 ECTS
- ARH 4xx Restricted elective course: 5 ECTS
- ARH 4xx Restricted elective course: 5 ECTS
- Elective course: 5 ECTS

**8th Semester (30 ECTS)**
- ARH 401 Architectural Design VIII: 10 ECTS
- ARH 411 Advanced Architectural Theory: 5 ECTS
- ARH 4xx Constrained elective course: 5 ECTS
- Elective course: 5 ECTS
- Elective course: 5 ECTS

### ELECTIVE COURSES

**Fall Semester**
- ARH 402 Special Topics in Architecture I: 5 ECTS
- ARH 412 Architecture and Ecology: Critical Perspectives: 5 ECTS
- ARH 420 Portraits of Architecture: 5 ECTS
- ARH 430 Earthquake Resistant Building Design: 5 ECTS
- ARH 440 Mobilities in a Globalised Society: 5 ECTS

**Spring Semester**
- ARH 403 Special Topics in Architecture II: 5 ECTS
- ARH 413 Modernism – Global Impact: 5 ECTS
- ARH 421 Advanced Computer-Aided Design: 5 ECTS
- ARH 423 Creativity in Architecture through the Fine Arts: 5 ECTS
- ARH 431 Bioclimatic Design: 5 ECTS
- ARH 441 Contemporary Territorial Transformations and Urban Design: 5 ECTS
- CEE 345 Steel Structures: 5 ECTS
Faculty of Engineering

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
CHAIRPERSON
Michalis Petrou

PROFESSOR
Panos Papanastasiou

ASSOCIATE PROFESSOR
Symeon Christodoulou
Michalis Petrou

ASSISTANT PROFESSORS
Dimos Charmpis
Ioannis Ioannou
Despo Kassinos
Konstantinos Kostarelos
Marina Neophytou
Panayiotis Roussis
Dimitrios Vamvatsikos

LECTURERS
Petros Komodromos
Dimitrios Loukidis
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 on which society relies. 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 and to protect 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 in order to produce young engineers who are able to assume leading positions within a rapidly changing environment full of problems, challenges and opportunities. They undertake investigation, research, planning and design in an academic environment that is based on cooperation among faculty, students, industry, research and professional organizations. Students study in a dynamic environment and have the opportunity to work with and learn from research teams at the forefront of science and technology.

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 contains 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.

Students from Greece who wish to qualify as members of the Technical Chamber of Greece (TCG) have the option to continue their studies for two additional semesters during which they complete a number of specified courses and a thesis. The courses have been selected from both the undergraduate and the postgraduate prospectus in conjunction with the Hellenic National Academic Recognition and Information Center (Hellenic NARIC). Following the successful completion of the additional year of studies, participating students can apply to the Hellenic NARIC, which will recognise their studies as equivalent to a five-year diploma in Civil Engineering as offered by a Greek technical university. They are then eligible to become members of TCG.

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

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.

**DEGREE REQUIREMENTS**

The course of study leading to the B.Sc. in Civil and Environmental Engineering requires the completion of at least 240 ECTS units, 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 431 Introduction to Rehabilitation and Strengthening of Structures
  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 programme students only.

Under 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 after the 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
Introduction to Environmental Engineering, technical calculations, material balances with a single material, material balances with reactions, energy fundamentals, environmental chemistry, biogeochemical cycles, water pollutants, water and wastewater treatments, solid waste management.

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

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 345 Foundation Engineering 5 ECTS: 3-0-6  
Prerequisite: CEE 251 or CEE 253  

CEE 370 Hydraulics 5 ECTS: 3-0-6  
Prerequisites: CEE 251 and CEE 230  

CEE 371 Hydrology 5 ECTS: 3-0-6  
CxEE 400 Earthquake Engineering 5 ECTS: 3-0-6
Prerequisite: CEE 320

CxEE 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.

CxEE 461 Road Design and Construction 5 ECTS: 3-0-6

CxEE 490 Capstone Design Project I 5 ECTS: 1-2-6
Prerequisite: 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. Working groups will be established and 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. During the first semester, each group will be expected to prepare and present a preliminary professional proposal for design and construction of the project, including an environmental impact study.

CxEE 491 Capstone Design Project II 10 ECTS: 1-2-13
Prerequisite: Senior status or advisor’s approval, CEE 310, CEE 490
This is a continuation of CxEE 490. Lecture sessions will be used to present specialised material of relevance to the project(s) 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

CxEE 401 Software Development for Engineering Application (Open elective course) 5 ECTS: 3-0-6
Prerequisite: CS 033 or equivalent
Introduction to computer-aided engineering. Object-oriented software design and development for engineering applications using C++, Java, or/and C#. Software implementation of common numerical methods and algorithms. Usage of data structures and databases in engineering modelling, visualisation and internet computing. Modern methodologies for designing and developing engineering simulators. Term project: Implementation of a software solution that addresses a practical engineering problem.

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

CxEE 426 Introduction to Finite Element Methods 5 ECTS: 3-0-6
Prerequisites: CEE 221 and CEE 230

CxEE 431 Introduction to Rehabilitation and Strengthening of Structures 5 ECTS: 3-0-6
Prerequisites: CEE 320 and CEE 340
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
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 370 and CEE 371
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

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 advisor’s approval
Individual study, research, or laboratory investigation under faculty supervision.

CEE 493 Independent Study 5 ECTS: 0-0-10
Prerequisite: Undergraduate 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 Term).
CEE 495 Advanced Topics in Environmental Engineering
5 ECTS: 3-0-6
Advanced and contemporary topics of special interest in Environmental Engineering (Spring Term).

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

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

Elective Courses for other departments
CEE 183 Introduction to Environmental Issues
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.

Elective Courses for the Programme 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

CEE 345 Steel Structures 5 ECTS: 3-0-6
Prerequisite: CEE 133
# Analytical Programme of Studies (240 ECTS)

## 1st Year
### 1st Semester (30 ECTS)
- 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

### 2nd Semester (30 ECTS)
- 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

## 2nd Year
### 3rd Semester (30 ECTS)
- 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

### 4th Semester (30 ECTS)
- 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

## 3rd Year
### 5th Semester (30 ECTS)
- 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

### 6th Semester (30 ECTS)
- 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

## 4th Year
### 7th Semester (30 ECTS)
- CEE 400 Earthquake Engineering 5
- CEE 460 Transportation Engineering 5
- CEE 490 Capstone Design Project I 5
- CEE xxx Restricted Elective Course 5
- CEE xxx Restricted Elective Course 5
- Elective Course 5

### 8th Semester (30 ECTS)
- CEE 461 Road Design and Construction 5
- CEE 491 Capstone Design Project II 10
- CEE xxx Restricted Elective Course 5
- CEE xxx Restricted Elective Course 5
- CEE xxx Restricted Elective Course 5

## Elective Courses
### Fall Semester
- CEE 401 Software Development for Engineering Applications 5
- CEE 426 Introduction to Finite Element Methods 5
- CEE 442 Prestressed Concrete 5
- CEE 451 Engineering Geology 5
- CEE 470 Water Resource Management 5
- CEE 475 Design of Hydraulic Systems 5
- CEE 481 Environmental Impact Assessment 5
- CEE 492 Independent Study 5
- CEE 494 Advanced Topics in Environmental Engineering 5
- CEE 496 Advanced Topics in Civil Engineering 5

### Spring Semester
- CEE 411 Construction Management II 5
- CEE 431 Intro. Rehabilitation and Strengthening of Structures 5
- CEE 441 Advanced Topics in the Design of Steel Structures 5
- CEE 450 Geomechanics 5
- CEE 451 Engineering Geology 5
- CEE 477 Coastal Engineering 5
- CEE 480 Wastewater Management 5
- CEE 483 Transport Processes in Environmental Engineering 5
- CEE 493 Independent Study 5
- CEE 495 Advanced Topics in Environmental Engineering 5
- CEE 497 Advanced Topics in Civil Engineering 5
CHAIRPERSON
Christoforos Hadjicostis

PROFESSORS
Marios Polycarpou
Charalambos Charalambous

ASSOCIATE PROFESSORS
George Ellinas
Stavros Iezekiel
Christos Panayiotou
Christoforos Hadjicostis

ASSISTANT PROFESSORS
George Georgiou
Julio Georgiou
Elias Kyriakides
Maria K. Michael
Constantinos Pitris

LECTURERS
Theocharis Theocharides
George Mitsis
Chrisostomos Nicopoulos
INTRODUCTION

Electrical and Computer Engineering 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 principles used in electrical and computer engineering include the theory and application of electrical, electromagnetic and optical phenomena, systems theory, and computational hardware and software.

The Department of Electrical and Computer Engineering is one of the departments of the recently established Faculty of Engineering at the University of Cyprus. The Department began admitting undergraduate and postgraduate students in September 2003. The Postgraduate Programme began in September 2004.

The Department of Electrical and Computer Engineering provides high quality degree programmes at both the undergraduate and postgraduate levels. These programmes emphasise fundamental principles that prepare students for leadership roles in a challenging and rapidly changing technological world. Research and innovation are achieved in an environment that fosters cooperation between faculty, students, industry and research organizations. The Department of Electrical and Computer Engineering faculty are experienced academics who are leaders in their field of expertise.

CAREER OPPORTUNITIES

Career opportunities for electrical and computer engineers are many, and there will likely 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, design, construction, operation and maintenance of a variety of electrical and computer apparatus and systems. They also test equipment, solve operating problems, and estimate the time and cost of projects. In addition to manufacturing, research, development and design, electrical and computer engineers are employed in administration and management or technical sales.

UNDERGRADUATE PROGRAMME OF STUDIES

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

- B.Sc. in Electrical Engineering
- B.Sc. 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 first and second years of the Electrical Engineering (EE) and Computer Engineering (CE) programmes are common. Students are initially admitted into the Department of Electrical and Computer Engineering. By the end of their second year, students select, in consultation with their academic advisor, to enter either the EE programme or the CE programme.

During the first two years, the programme of study is structured to provide students with a rigorous body of knowledge in mathematics and physics, as well as electrical engineering and computing fundamentals, which are essential for understanding more advanced topics taught later on. In the third year, students receive training in more advanced but fundamental topics in Electrical Engineering or Computer Engineering, depending on their area of concentration. In the fourth year, students have the flexibility to select elective courses from a variety of specialisation areas according to their individual interests. In addition, the fourth year also includes a team design project, which can be chosen from a variety of categories. The project is intended to serve as a capstone experience that will enable students to address challenging engineering problems, which require collaboration with other students and integration of their electrical and computer engineering knowledge.

To graduate with an undergraduate degree in either Electrical Engineering or Computer Engineering, students are required to complete at least 240 credit units (ECTS). Of these, 15 ECTS should be elective courses (not included in the student’s specialisation), which should be taken from at least two different faculties of the University.

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:

• Communication 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 Systems
• Computational Intelligence
• Computer Networks
• Embedded and Real Time Systems

**COURSE DESCRIPTIONS**

**Compulsory Courses**

**ECE 100 Introduction to Design and Engineering (5 ECTS)**

This course consists of a series of lectures and laboratories. In this course students learn engineering basics and design principles, the various ECE programmes of studies, the problems that Electrical and Computer engineers are asked to solve, and the methods used in dealing with engineering problems. This 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. Several guest lectures are offered on future trends of technology. 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 course consists of a design laboratory. In this course, 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 specific task. The engineering problem usually involves a robot design and programming, and a robotics competition.

**ECE 102 Electrical Circuits and Networks (7 ECTS)**


**ECE 203 Circuits and Measurements Laboratories (5 ECTS)**

Prerequisite: ECE 102


**ECE 205 Electronic Devices and Circuits I (6 ECTS)**

Prerequisite: ECE 102


**ECE 210 Digital Logic Design (6 ECTS)**

Digital number systems and information representation; arithmetic operations, decimal and alphanumerical codes. Binary logic, Boolean algebra (identities, functions and manipulation), standard forms, simplification. Logic gates, switch-level and CMOS implementation, integrated circuits. Combinational logic design: circuits (gate level), design hierarchy and procedures, computer-aided design. Two-level and multi-level implementations. Arithmetic (add, subtract, multiply) and other popular (multiplexers, encoders, decoders) modules. Sequential logic design: latches, flip-flops, state machines design and minimisation (Mealy and Moore models), design problems, Registers and Counters. Memory and programmable logic design (ROMs, PLAs, PALs, FPGAs). Language-directed combinational and sequential design (VHDL), Introduction to register-level design: datapath and control, basic computer architecture.

**ECE 211 Digital Systems Laboratory (4 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 and Microprocessors (5 ECTS)
Prerequisites: ECE 210 and ECE 211
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 and Microprocessors Laboratory (3 ECTS)
Co-requisite: 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 102
Prerequisite: MAS 022
Basic continuous and discrete-time signals in Linear Vector Spaces, impulse functions, basic properties of discrete and continuous linear time-invariant (LTI) systems, difference and differential LTI systems, Fourier series representation of continuous-time periodic and aperiodic signals, Fourier Transform, Laplace transform, time and frequency analysis of continuous-time LTI systems, applications of transform techniques to electric circuit analysis.

ECE 305 Electronic Devices and Circuits II (5 ECTS)
Prerequisite: ECE 205

ECE 306 Electronic Devices and Circuits Laboratory (5 ECTS)
Prerequisite: 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
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 (7 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 (7 ECTS)
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 317 Engineering of Computing (6 ECTS)
This course prepares students for computer engineering practice in industry, as related to the design and commissioning of large computer systems including hardware and software systems. Ethical, social, economic, safety and legal issues. Metrics, project management, modularity, costing, marketing, control, standards, code verification and testing, CASE tools and bugs.

ECE 320 Signals and Systems II (6 ECTS)
Prerequisites: ECE 220 and MAS 024
Analysis of LTI single-loop feedback systems via transform techniques. Discrete-time Fourier series, discrete-time Fourier transform, and Z transform. Time and frequency analysis of discrete-time LTI systems, sampling systems, application of continuous and discrete-time signal theory to communication systems, digital control systems, and signal processing.
ECE 324 Introduction to Random Signals and Systems (6 ECTS)
Co-requisite: ECE 220
Basic probabilistic models. Conditional probability and Bayes’ rule. Random variables and vectors, distribution and density functions, expectation and characteristic functions. Statistical independence, laws of large numbers, Central-limit theorem. Introduction to random processes; second-order processes. Linear systems subject to random processes inputs; power spectral density.

ECE 325 Iterative Methods (6 ECTS)
Prerequisites: ECE 220 and CS 035
The course covers some 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 331 Electromagnetic Fields (6 ECTS)
Prerequisites: PHY 133 and MAS 024
Maxwell's and wave equations, electrostatics, magnetostatics. Transmission lines; time and space dependence of signals, line parameters, input impedance, reflection coefficient, standing wave ratio, transient behaviour. Impedance matching; Transformers, stubs, analysis using the Smith Chart.

ECE 340 Power Engineering (5 ECTS)
Prerequisites: ECE 205 and ECE 220
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, uninterruptible power supplies (UPS).

ECE 333 Electromagnetic and Optical Engineering (6 ECTS)
Prerequisite: ECE 331
This course involves study of wave phenomena with specific applications to waves in media and electromagnetic phenomena. Wave equations, propagation, radiation, coherence, interference, diffraction, scattering. Light and its interactions with matter, geometrical and physical optics are covered. This class provides an excellent foundation for further studies in electromagnetic, microwave or optical technology.

ECE 359 Introduction to Communication Systems (5 ECTS)
Prerequisite: ECE 320

ECE 360 Computer Networks (6 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 (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.

Elective Courses for other Departments
ECE 001 Health and Technology (5 ECTS)
Medicine has made tremendous progress since the beginning of the century. It has evolved from an art, when chances of survival were heavily stacked against the patient, to a science which saves lives every day. Medical technology, i.e., the inventions that put science to practical use, includes, among others, the discovery or invention and development of anesthesia, antiseptics, X rays, blood transfusions, artificial and human organ transplants, and medical imaging techniques such as CT, MRI and ultrasound. This course examines the technological bases of some of the most important innovations in medical technology and analyses the economic and ethical issues surrounding them. The course aims to enhance the understanding not only of the science, the machinery and the organization of modern medicine but also its origins, its social context, and its alternative futures. The course is intended for students of all majors without any specific science background.

ECE 007 Information Technology Without Equations (5 ECTS)
The objective of the course is to give the basics of Information Technology and Data Communications to students from various disciplines without engineering or computer science background. During the course, students will learn the basic principles of the operation of high-tech devices such as mobile phones, palm pilots, etc. The course will cover the Information Revolution and the unique product of the Information Age, the World Wide Web. Furthermore, it will present the basics of information representation as well as various forms of information such as audio, image and video. The course will introduce aspects of Data Communication such as information transmission (wired, fiber-optic, radio and satellite), and data storage. The last part of the course will describe how telephone and data networks work and present basic concepts from information security.
# Programme of Studies for Computer Engineering

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
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<td>1st Semester</td>
<td>PHY 131</td>
<td>General Physics I</td>
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<td>Mathematics III</td>
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<td>CS 035</td>
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<td>Digital Logic Design</td>
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<td>Digital Systems Laboratory</td>
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<td>4th Semester</td>
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<td>General Physics III</td>
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<td>MAS 024</td>
<td>Mathematics IV</td>
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</table>
# Analytical Programme of Studies for Electrical Engineering

## 1st Year

**1st Semester**
- **PHY 131** General Physics I  
- **MAS 021** Calculus I  
- **BIO 101** Introduction to Modern Biology  
- **ECE 100** Introduction to Design and Engineering  
- **ECE 101** Introduction to Design and Engineering Laboratory  
- **LAN 100** General Advanced English

**2nd Semester**
- **PHY 132** General Physics II  
- **MAS 022** Calculus II  
- **CS 034** Programming Principles I  
- **ECE 102** Electrical Circuits and Networks  
- **LAN 104** English for Technical Purposes

## 2nd Year

**3rd Semester**
- **MAS 023** Mathematics III  
- **CS 035** Data Structures and Algorithms  
- **ECE 203** Circuits and Measurements Laboratory  
- **ECE 210** Digital Logic Design  
- **ECE 211** Digital Systems Laboratory

**4th Semester**
- **PHY 133** General Physics III  
- **MAS 024** Mathematics IV  
- **ECE 205** Electronic Devices and Circuits I  
- **ECE 212** Computer Organization and Microprocessors  
- **ECE 213** Computer Organization and Microprocessors Laboratory  
- **ECE 220** Signals and Systems I

## 3rd Year

**5th Semester**
- **ECE 305** Electronic Devices and Circuits II  
- **ECE 320** Signals and Systems II  
- **ECE 325** Iterative Methods  
- **ECE 331** Electromagnetic Fields  
- **Elective Course I**

**6th Semester**
- **ECE 306** Electronic Devices and Circuits Laboratory  
- **ECE 324** Intro to Random Signals and Systems  
- **ECE 333** Electromagnetic and Optical Engineering  
- **ECE 340** Power Engineering  
- **ECE 359** Introduction to Communication Systems  
- **Elective Course II**

## 4th Year

**7th Semester**
- **ECE 401** Capstone Design Project  
- **PBA 335** Entrepreneurship Management  
- **ECE** Technical Elective Course  
- **ECE** Technical Elective Course  
- **ECE** Technical Elective Course

**8th Semester**
- **ECE 402** Capstone Design Project  
- **ECE** Technical Elective Course  
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- **ECE** Technical Elective Course  
- **Elective Course III**
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CHAIRPERSON
Ioannis Giapintzakis

VICE CHAIRPERSON
Andreas Alexandrou

PROFESSORS
Andreas Alexandrou
Charalabos Doumanidis

ASSOCIATE PROFESSORS
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Theodora V. Kyratsi
Loucas S. Louca
Claus G. Rebholz

LECTURER
Matthew Zervos
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 one undergraduate degree: B.Sc. in Mechanical and Manufacturing Engineering.

The educational system in the Department is designed to not only 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 credit units (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)
Basic course in engineering graphical communication that provides a background for all engineering disciplines. The ability to create and interpret standard, well-integrated detail and assembly drawings is necessary for engineers to communicate ideas. The Autodesk Mechanical Desktop software will be used as a tool for creating these engineering design drawings. Emphasis is placed on relating drawings to the required manufacturing processes. The design process and aids to creativity are combined with graphics procedures to incorporate functional design requirements in the geometric model. All topics are applied during the term project where an integrated three-dimensional model of a mechanical device is developed. Topics covered: International conventions and standards; Drawing scales; Types and use of drawing lines; Projection planes; Views and view placement; Isometric projections; Auxiliary views; Sections; Dimensioning; Three-dimensional geometrical modelling.

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)
Prerequisites: 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 behaviour and to determine the correctness of the modelling assumptions. The analysis is also carried out using Matlab/Simulink through numerical methods. Topics covered: Lumped 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, zeros and 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)
The aim of this course is to give an introduction on different aspects of chemistry applied to engineering. Among others, topics related to the petroleum industry and petrochemical products, lubricants, detergents, pigments, explosives, etc. are analysed. Furthermore, an important category of materials, namely polymers, is discussed. The dangerous properties of industrial materials, as well as topics related to the environmental pollution in the atmosphere, water and in the ground due to the
presence of several chemical compounds are analysed, and finally a brief description on waste-treatment (biological and chemical treatment) is given.

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-Nickolson 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
The course aims to present the fundamentals of heat exchange processes and their applications to the design of heat exchangers. Subjects covered include the principles of steady and unsteady conduction, the principles of numerical analysis, natural and forced convection, heat transfer due to radiation, boiling and condensation as well as an introduction to heat exchanger design.

MME 313 Energy Conversion Systems (6 ECTS)
Prerequisite: MME 211
The course studies modern and classic energy conversion systems, which are used as power supplies for mechanical or other devices that we encounter in our everyday life. Topics that will be covered include: Gas turbines; Internal combustion engines; Fuel cells; Electric motors; Thermo-electrics; Renewable energy sources; Wind turbines; Photovoltaics.

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. Following this, there will be an introduction on how these parameters determine the concepts of natural frequency and resonance and their importance in characterising the behaviour of free and forced vibrations. 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 equation of motion of a wave in a fluid will be introduced and solved for some specific cases. Sound transmission and reflection issues will be discussed.

MME 332 Physiology and Bioengineering (6 ECTS)
Prerequisites: MAS 043
The course recognises and quantifies the role of electro-mechanical 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 subsequently 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. The course includes use of CAD/CAM/CAE software (TopSolid), laboratory exercises in 3D printing, layered cutting, turning, milling, EDM, thermoforming, welding, microfabrication, laser scanning, microscopy and robot programming, and experimental projects of the students’ choice at the Hephaistos Manufacturing Laboratory.

MME 342 Manufacturing Processes (6 ECTS)
Prerequisite: MME 341
The course will take a broad look at the various manufacturing processes for available engineering materials, and will emphasise the underlying fundamental scientific principles as well as the objectives, performance measures and criteria for the different types of processes. Almost all engineering and non-engineering components - made of various materials - have to be shaped by cutting, forming, joining, and often other processes in order to achieve the desired functionality and characteristics. The course material will be reinforced by laboratory sessions and problem sets. Topics covered in this course 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 and PV 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 both thermal and photovoltaic applications. The course includes engineering studies for real-life applications. Combined heat and power generation from the sun is also studied, including understanding different types of systems and general design concepts.

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 441 Production Management (6 ECTS)
Prerequisites: 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 Tunneling 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. Under these circumstances, a nano-system designer has to make sure that nano-devices operate successfully irrespective of the above uncertainties. This course aims to provide the basic statistical mechanics required to analyse various structures that operate in nano-environments and indicate their limits of applicability. Topics to be taught: statistical mechanical description of ensembles of molecules; partition function; entropy and free energy and their interpretation in both nano- and macro- environments; thermal excitation of harmonic oscillators and elastic bending of thermally excited rods; nanomechanical energy dissipation with emphasis on the phonon scattering mechanism.

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. Topics covered: Crystal lattices; Reciprocal lattice & X-ray diffraction; Bonds and crystal structure; Crystal vibrations; Thermal properties; Free electron theory; Energy bands; Metals; Semiconductors; Dielectrics; Optical properties; Magnetism; Superconductivity.

MME 463 Introduction to the Physical Principles, Design and Fabrication of MEMs (6 ECTS)
Prerequisites: MME 221
An introduction to micro-electro-mechanical systems (MEMs) with an emphasis on the relevant physical principles, design and fabrication. A historical overview is given first, followed by a discussion of the relevant length scales and the motivation for working on MEMs. Simple MEMs devices are then described, e.g., switches, comb drives, pressure sensors with emphasis on the transduction principles, i.e., mechanical, electrostatic, thermal, piezoelectric, in order to gain in-depth understanding of device operation and issues pertaining to design and fabrication. Detailed attention is then given to the fabrication of MEMs using standard integrated circuit (IC) processing technology. In particular, the various types of lithography, i.e., photolithography, electron beam lithography, soft lithography, etc. are covered in detail, along with thin film deposition, wet and dry etching methods. Surface and bulk micromachining are also explained, together with hot embossing and micro-molding. Finally, issues pertaining to assembly, packaging and reliability are covered for completeness. Having developed an understanding of basics, IntelliSuite is introduced in the context of MEMs CAD with the aim of using it in the design and simulation of a simple MEMs device which will be subsequently fabricated using the clean room facility, i.e., mask aligner, electron beam lithography, wet bench for chemical etching, sputtering, etc.

MME 464 Introduction to semiconductors and photovoltaic devices (6 ECTS)
Prerequisites: MME 252
An introduction to micro-electro-mechanical systems (MEMs) with an emphasis on the relevant physical principles, design and fabrication. A historical overview is given first, followed by a discussion of the relevant length scales and the motivation for working on MEMs. Simple MEMs devices are then described, e.g., switches, comb drives, pressure sensors with emphasis on the transduction principles, i.e., mechanical, electrostatic, thermal, piezoelectric, in order to gain in-depth understanding of device operation and issues pertaining to design and fabrication. Detailed attention is then given to the fabrication of MEMs using standard integrated circuit (IC) processing technology. In particular, the various types of lithography, i.e., photolithography, electron beam lithography, soft lithography, etc. are covered in detail, along with thin film deposition, wet and dry etching methods. Surface and bulk micromachining are also explained, together with hot embossing and micro-molding. Finally, issues pertaining to assembly, packaging and reliability are covered for completeness. Having developed an understanding of basics, IntelliSuite is introduced in the context of MEMs CAD with the aim of using it in the design and simulation of a simple MEMs device which will be subsequently fabricated using the clean room facility, i.e., mask aligner, electron beam lithography, wet bench for chemical etching, sputtering, etc.

MME 464 Introduction to semiconductors and photovoltaic devices (6 ECTS)
Prerequisites: MME 252
The aim of this course is to introduce students to the basic semiconductor physics with emphasis placed on first and second generation photovoltaic devices based on Si. The syllabus includes the following topics: Introduction and overview of semiconductor materials and devices, the dominance of Si, crystal structure of Si. Intrinsic and extrinsic semiconductors, impurities, comparison with metals and insulators. Three dimensional density of states, carrier concentration in semiconductors, neutrality condition. Resistance, specific resistance, mean time between collisions, mobility and current density. Generation and recombination of carriers, surface recombination, photoconductivity and the Haynes Shockley experiment. Special emphasis will be placed on the p-n junction, i.e., derivation of the built-in potential and depletion width in a p-n junction in equilibrium, electric field distribution, current voltage characteristic and junction capacitance. The p-i-n diode. The solar spectrum and the p-n junction as a photovoltaic device, efficiency and current-voltage characteristic. Finally, students will be introduced to metal insulator semiconductor, Schottky barrier photovoltaic devices and second-generation PV devices based on polycrystalline Si.
## Analytical Programme of Studies

<table>
<thead>
<tr>
<th></th>
<th>ECTS</th>
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<tbody>
<tr>
<td><strong>1st YEAR</strong></td>
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<tr>
<td><strong>1st semester (30 ECTS)</strong></td>
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<tr>
<td>MAS 041 Mathematics: Calculus</td>
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<tr>
<td>LAN 100 General Advanced English</td>
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<tr>
<td>MME 101 Project: Technology and Society I</td>
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<tr>
<td>MME 111 Introduction to Computers for Engineers</td>
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<tr>
<td>MME 121 Introduction to Mechanics</td>
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<td>MME 103 Introduction to Electromagnetism and Optics</td>
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<tr>
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<tr>
<td>MME 211 Thermodynamics</td>
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<tr>
<td>MME 221 Introduction to Modelling and Analysis of Dynamic Systems</td>
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<tr>
<td>MME 231 Strength of Materials</td>
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<td>MME 251 Applied Chemistry for Engineers</td>
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<tr>
<td>MAS 044 Statistics and Probability for Engineers</td>
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<td>MME 312 Heat Transfer</td>
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<td>MME 331 Vibrations and Acoustics</td>
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<td>MME 341 Design and Manufacturing</td>
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<tr>
<td>MME 343 Machine Elements</td>
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<td><strong>6th semester (30 ECTS)</strong></td>
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<td>MME 342 Manufacturing Processes</td>
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<td>MME 344 Mechanical Design</td>
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<tr>
<td>MME 400 Capstone Design I</td>
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<td>MME 4XX Technical Elective Course</td>
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<tr>
<td><strong>8th semester (30 ECTS)</strong></td>
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<td>MME 401 Capstone Design II</td>
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<td>MME 4XX Elective Course</td>
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Faculty of Letters

DEPARTMENT OF BYZANTINE AND MODERN GREEK STUDIES
CHAIRPERSON
Julia Chatzipanagioti-Sangmeister

VICE CHAIRPERSON
Marianne Katsoyannou

PROFESSORS
Panagiotis Agapitos
Michalis Pieris
Pantelis Voutouris

ASSOCIATE PROFESSORS
Julia Chatzipanagioti-Sangmeister
Martin Hinterberger
Marilena Karyolemou
Marianne Katsoyannou
Alexandra Samuel

ASSISTANT PROFESSORS
Yoryia Agouraki
Antonia Giannouli
Tassos Kaplanis
Stavroula Konstantinou
Eleftherios Papaleontiou
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. The Department focuses on both research and teaching. The main areas of research are 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 B.A. programme in Byzantine and Modern Greek Studies is designed to provide a scholarly grounding in the areas covered by the Department. The programme of studies includes modules (in Ancient Greek Philology, Latin Philology, History and Philosophy) from the programmes of studies of the other two departments of the Faculty of Letters (i.e., the Department of Classics and Philosophy and the Department of History and Archaeology), so that students qualify to teach of the respective subjects in secondary schools.

At present, the Department awards a Combined Honours B.A. in Byzantine and Modern Greek Language and Literature. The programme of studies leading to this degree consists of 240 credit units (ECTS) for 45 courses. Of these 45 courses, four courses are elective courses and three courses must satisfy the foreign language requirement set by the General Regulations of the University. For the distribution of courses per subject, see Table I. The remaining 38 courses of the B.A. programme include:

(a) compulsory courses (except for BMG 435, these are introductory courses in Byzantine Philology, Modern Greek Literature, Theory of Literature, Comparative Literature, Linguistics, Ancient Greek Philology and Latin Philology) (see relevant descriptions).

(b) other courses in either lecture or seminar form, surveying or examining selected topics in depth. Nineteen courses of the B.A. programme are of an overall literary / philological nature (see §3-5, 7-8), three are Linguistics courses (see §6) and the remaining courses cover the subjects of History (see §9) and Philosophy (see §10).

The programme of studies aims at providing scholarly knowledge, developing the students' critical thought, as well as broadening their intellectual horizons. Graduates can undertake further research and specialisation at postgraduate level. They are also qualified to seek employment in secondary education, research institutes and cultural foundations.

Apart from the courses included in its programme of studies, the Department offers introductory as well as advanced courses in Linguistics and Modern Greek Literature to the students of the Department of Education (Faculty of Social Sciences and Education). These courses familiarise future kindergarten and primary school teachers with the basic notions and methods of Modern Greek Literature and Linguistics so that they become more proficient in the teaching of language courses at school.

In line with the regulations of the University of Cyprus, the Department offers elective courses (course codes BMG 001-099) to students of other departments. Elective courses in Byzantine Philology and Modern Greek Literature are marked with courses codes BMG 001-099, while elective courses in Linguistics are marked with course codes LIN 075-099.

STRUCTURE AND ORGANIZATION OF THE PROGRAMME

1. ECTS: For the B.A. in Byzantine and Modern Greek Language and Literature, students must attend 45 courses to complete a total of 240 ECTS. Courses in Byzantine Philology, Modern Greek Literature, Theory of Literature, and Comparative Literature bear course codes which start with BMG, for B (Byzantine) and M (Modern), G (Greek) Studies, while Linguistics courses bear course codes which start with LIN for Linguistics. Courses are offered at three levels: Compulsory Courses (BMG 100-199 and BMG 435), Lectures (BMG 200-299) and Seminars (BMG 300-399). The 10 compulsory courses correspond to 5 ECTS each, except BMG 435 which corresponds to 8 ECTS (45 ECTS + 8 ECTS = 53 ECTS). The 25 lectures, the 4 elective courses and the 3 foreign language courses correspond to 5 ECTS each (32 X 5 ECTS = 160 ECTS). The 3 seminars correspond to 9 ECTS each (3 X 9 ECTS = 27 ECTS). On the distribution of the course codes see Table II, and on the distribution of courses per semester see Tables IV and V.

2. COMPULSORY COURSES: The programme of studies includes ten compulsory courses. Seven of these are offered by the Department as follows. In the first semester: BMG 100 Introduction to Byzantine Literature, BMG 120 Introduction to Modern Greek Literature in the first semester and LIN 150 Introduction to Theoretical Linguistics. In the second semester: BMG 130 Introduction to the Theory of Literature and BMG 141 Introduction to Modern Greek Metrics. In the eighth semester: BMG 435 Modern Greek Literature. The remaining three compulsory courses, i.e. AEF 101 Introduction to Classical Scholarship, AEF 131 Ancient Greek Prose Composition and LAT 195 Latin Prose Composition are offered by the Programme of Classics and must be attended in the first semester.
3. BYZANTINE PHILOLOGY: Apart from the two compulsory courses in Byzantine Philology, namely BMG 100 and BMG 110, students must attend a course in each one of the three core divisions of Byzantine Literature (see Table II). Courses covering more than one of these core divisions (see Table II) can satisfy the above requirement with respect to only one of the core divisions. In addition, students must attend one seminar in Byzantine Philology (see § 12).

4. MODERN GREEK LITERATURE: Apart from the three compulsory courses in Modern Greek Philology: BMG 120, BMG 141 and BMG 435, students must attend a course in each one of the seven core divisions of Modern Greek Literature. Courses covering more than one of these core divisions (see Table II) can satisfy the above requirement with respect to only one of the core divisions. Moreover, students must attend two seminars in Modern Greek Literature (see § 12).

5. THEORY OF LITERATURE - COMPARATIVE LITERATURE: Apart from the compulsory introductory course BMG 130, students must attend one more course in this area (see Table II) in the fourth semester of their studies.

6. LINGUISTICS: Apart from the compulsory introductory course BMG 150, students must select three more linguistics courses from the two core areas of Linguistics (see Table II); no more than two courses from each core area should be selected.

7. ANCIENT GREEK PHILOLOGY: Apart from the compulsory introductory course AEF 101 and the related Readings in Classical Greek (AEF 131), students must attend four 200-level courses from those offered by the Department of Classics and Philosophy.

8. LATIN PHILOLOGY: Apart from the Readings in Latin (LAT 195), students must attend one 200-level course from the courses offered by the Department of Classics and Philosophy. Students must have completed the requirement for the two courses in Latin Philology by the 4th semester of their studies.

9. HISTORY: Students must attend four History courses from those offered by the Department of History and Archaeology. These courses have to be distributed as follows: one course in Ancient History, one course in Byzantine History, one course in Medieval or Modern History and one course in Contemporary History.

10. PHILOSOPHY: Students must take two Philosophy courses from the Department of Classics and Philosophy.

11. ARCHAEOLOGY - HISTORY OF ART: The programme of studies does not include courses in these two areas. However, due to their significance for the understanding of medieval and modern civilization, students are advised to take as elective courses one course in Byzantine Archaeology and one course in Modern or Contemporary Art from those offered by the Department of History and Archaeology (as elective courses) (see § 13).

12. 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 of the programme of studies (except BMG 435), as well as at least two courses in the Byzantine Philology and the Modern Greek Literature respectively.

13. ELECTIVE COURSES: Students must take four elective courses. Students are advised to take their elective courses from the 4th semester of their studies onwards. At least one of the four elective courses must be chosen among those offered by another faculty of the University (see § 11).

14. FOREIGN LANGUAGE: Students must select three courses in a foreign language in the semesters specified in Table IV. All three courses must be in the same foreign language.

**DESCRIPTION OF COMPULSORY COURSES**

**BMG 100 Introduction to Byzantine Literature**

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. Familiarises 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 Paleography**

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 practise reading and transcribing manuscripts.

**BMG 120 Introduction to Modern Greek Literature**

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
Introduces basic concepts of literary theory. Aims to bring into focus the interface between literary theories and literary works / literary criticism, as well as the interface between literary theories and interdisciplinary approaches to the theory of literature involving the disciplines of Philosophy, Psychology, Linguistics and so on. Examines basic texts of literary theory and how these texts address key questions in the theory of literature, such as imitation, author-text relations, text autonomy, the role of the reader, etc. The answers to these questions are considered within their historical (both synchronic and diachronic) context. It finally examines how particular theoretical positions are manifested in literary and critical texts. The course involves close reading of both literary and critical texts.

BMG 141 Introduction to Modern Greek Metrics
The course examines Modern Greek traditional metres as well as the development of free verse.

LIN 150 Introduction to Theoretical Linguistics
Presents basic concepts of Modern Linguistics. Examines the distinctions of synchrony-diachrony, description-prescription, langue-parole, linguistic competence / linguistic performance. Discusses the study of language as a system, as well as the existence of universal characteristics of languages. Addresses the question of what it means to know a language and the question of linguistic conventions. Covers the core areas of Theoretical Linguistics, namely Phonology, Morphology, Syntax and Semantics, with emphasis on the construction of explanatory models in linguistic theory.

BNE 435 Modern Greek Literature
The course aims at familiarising 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.
### TABLE I: PROGRAMME OF STUDIES

<table>
<thead>
<tr>
<th>Courses</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>Byzantine Philology</td>
<td>6 (2c+3o+1s) 34</td>
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<tr>
<td>Modern Greek Philology</td>
<td>12 (3c+7o+2s) 71</td>
</tr>
<tr>
<td>Theory of Literature and Comparative Literature</td>
<td>2 (1c+1o) 10</td>
</tr>
<tr>
<td>Linguistics</td>
<td>4 (1c+3o) 20</td>
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<tr>
<td>Ancient Greek Philology</td>
<td>6 (2c+4o) 30</td>
</tr>
<tr>
<td>Latin Philology</td>
<td>2 (1c+1o) 10</td>
</tr>
<tr>
<td>History</td>
<td>4 (4o) 20</td>
</tr>
<tr>
<td>Philosophy</td>
<td>2 (2o) 10</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>4 (4o) 20</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3 (3o) 15</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>45 240</td>
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</tbody>
</table>

**NOTE:**
- c = Compulsory Course
- o = Optional Course
- s = Seminar

### TABLE II: STRUCTURE OF THE PROGRAMME

#### COMPULSORY COURSES
- (5 ECTS each, except for BMG 435 which carries 8 ECTS)
  - BMG 100: Introduction to Byzantine Literature
  - BMG 110: Introduction to Greek Paleography
  - BMG 120: Introduction to Modern Greek Philology
  - BMG 130: Introduction to the Theory of Literature
  - BMG 141: Introduction to Modern Greek Metrics
  - LIN 150: Introduction to Theoretical Linguistics
  - BMG 435: Modern Greek Literature

#### OTHER COURSES (5 ECTS each)
- BMG 201-224: Byzantine Philology
  - BMG 201-206: Early Byzantine Period (300-700)
  - BMG 207-212: Middle Byzantine Period (700-1200)
  - BMG 213-218: Late Byzantine Period (1200-1500)
  - BMG 219-224: General Topics in Byzantine Philology

- BMG 225-266: Modern Greek Literature
  - BMG 225-230: Medieval / Renaissance Literature, Folk Songs
  - BMG 231-236: From the Fall of Crete up to 1821
  - BMG 237-242: Heptanese Peak Literature
  - BMG 243-248: Prose of the 19th and the beginning of the 20th centuries
  - BMG 249-254: Poetry of the 19th and the beginning of the 20th centuries
  - BMG 255-260: Modern Prose
  - BMG 261-266: Modern Poetry
  - BMG 267-272: General Topics in Modern Greek Literature
  - BMG 273-281: Theory of Literature and Comparative Literature

- LIN 210-299: Linguistics
  - LIN 210-259: Theoretical Linguistics
  - LIN 260-299: Other branches of Linguistics

#### SEMINARS (9 ECTS each)
- BMG 301-324: Byzantine Philology
- BMG 325-381: Modern Greek Philology, Theory of Literature, Comparative Literature

### TABLE III: COURSES OFFERED TO OTHER DEPARTMENTS

#### 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
- LIN 075-099: Linguistics

#### Courses for the Department of Education (5 ECTS each)
- BMG 090: Introduction to Modern Greek Literature
- BMG 091: Modern Greek Literature I
- BMG 092: Modern Greek Literature II
- LIN 093: Introduction to Modern Greek Language I
**TABLE IV: ANALYTICAL PROGRAMME OF STUDIES PER SEMESTER**

### 1st YEAR

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<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
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<tr>
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<td>BMG 100</td>
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<td>BMG 150</td>
<td>Introduction to Theoretical Linguistics</td>
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<td>AEF 101</td>
<td>Introduction to Classical Scholarship</td>
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<td>AEF 131</td>
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<td>LAT 195</td>
<td>Latin Prose Composition</td>
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<td>BMG 110</td>
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<td>Introduction to the Theory of Literature</td>
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<td>LAT 267-299</td>
<td>Course in Latin Philology</td>
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<td>AEF 206-256</td>
<td>Course in Ancient Greek Philology</td>
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<tr>
<td></td>
<td>BMG 2..</td>
<td>Course in Modern Greek Literature, Byzantine Philology or</td>
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</tr>
<tr>
<td></td>
<td>LING 2..</td>
<td>Course in Linguistics</td>
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### 2nd YEAR

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<td>HIS 144/112</td>
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<td>Elective Course</td>
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<td>Foreign Language Course</td>
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<td>Course in Byzantine Philology</td>
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<td>AEF 206-256</td>
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<tr>
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<td>HIS 144/112</td>
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### 3rd YEAR

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### TABLE V: SET OF COURSES FOR THE 3rd AND 4th YEAR OF STUDIES

- **BMG 201-224**: Courses in Byzantine Philology (two courses in Byzantine Philology if the students have already selected a course in Byzantine Philology in the 2nd semester of their studies. Alternatively, three courses in Byzantine Philology)*

- **BMG 225-272**: Courses in Modern Greek Literature (six courses in Modern Greek Literature if the students have already selected a course in Modern Greek Literature in the 2nd semester of their studies. Alternatively, seven courses in Modern Greek Literature)*

- **LIN 210-299**: Courses in Linguistics (two Linguistics courses if the students have already selected a Linguistics course in Byzantine Philology in the 2nd semester of their studies. Alternatively, three Linguistics courses)*

- **BMG 301 - 324**: Seminar in Byzantine Philology

- **BMG 325-381**: Two Seminars in Modern Greek Literature

- **BMG 435**: Modern Greek Literature

- **AEF 206-256**: Course in Ancient Greek Philology

- **HIS 181**: Introduction to Modern European History (1789-1918)

- **HIS 108**: Introduction to Modern Greek History

- **PHIL 101-104**: Introductory Course in Philosophy

- **PHIL 200-294**: Course in Philosophy

- Three Elective Courses (3X5=15 ECTS)

- Foreign Language Course

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*Note: Regarding the restrictions concerning the selection of the courses, see Structure and Organization of the Programme (point 3 for Byzantine Philology, point 4 for Modern Greek Literature and point 6 for Linguistics).*
Faculty of Letters

DEPARTMENT OF CLASSICS
AND PHILOSOPHY
CHAIRPERSON
Ioannis Taifacos

VICE CHAIRPERSON
Antonios Tsakmakis

PROFESSORS
Anna Panayotou–Triantaphyllopoulou
Ioannis Taifacos

ASSOCIATE PROFESSORS
Antonios Tsakmakis

ASSISTANT PROFESSORS
Eleni Kalokairinou
Dimokritos Kaltsas
Dimitris Portides
Spyridon Tzounakas
Georgios Xenis
Maria Ypsilanti

LECTURER
Ioannis Christodoulou
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 (240 ECTS). 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 BMG 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 (240 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 course 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)

DESCRIPTION OF COURSES

Classical Studies

AEF 101 Introduction to Classical Scholarship
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
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
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.

AEF 202 Introduction to Ancient Greek Rhetoric
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.

AEF 210 Homer
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.

AEF 214 Lyric Poetry
Introductory overview of Archaic lyric poetry. Issues discussed include: lyric genres, ancient and modern classifications; main representatives; poetry and society in Archaic Greece; festivals, games, symposium; epic tradition, popular and personal poetry; music and dance; history of the text of lyric poets; language of the poems. The basic metres of the poems are examined, and characteristic texts are commented upon in detail (elegy, iamb, melic poetry, older choral lyric). There is also an indicative discussion and criticism of various modern translation approaches.

AEF 217 Introduction to Ancient Drama
Introductory topics on the study of Ancient Greek drama. More specifically, the course focuses on:
- The birth of ancient Greek drama as evidenced by literary, historical and archaeological sources.
- Dramatic festivals.
- The theatre and the performance.
- Dramatic genres and their evolution.
- Major representatives and their work.

AEF 243 Ancient Greek Historiography
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 study, literary and historical commentary, observations on narrative techniques and historical thought) and the relation among the three writers, as well as the evolution of the genre, are also discussed.

AGL 263 Historical Linguistics I
Overview of undeciphered scripts of the East Mediterranean with regard to pre-Hellenic linguistic material. Examination of the dialects of the Greek-speaking world during the second and first millennium B.C. and the corresponding syllabic scripts or alphabets.

AGL 369 Historical Linguistics II
Examination of the historical and political conditions that allowed the formation and expansion of Koine in the Greek-speaking world during the Hellenistic and Roman periods.
Description (Phonetics, Phonology, Morphology, Semantics, Syntax) of this form. Atticism. Written and oral code during the Byzantine era. The formation of modern Greek dialects.

AGL 445-470 Linguistics Seminar
(e.g., AGL 465 Morphology of Ancient Greek Language)
Forms 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
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)
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
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 Virgil, Aeneid
The course offers a systematic introduction to Roman epic and, more specifically, to the Aeneid, the most widely read piece of Latin poetry.

The structure and content of the lectures in the course of the semester aim, among others:

a) to familiarise students with the classical Latin language, and to help them develop their translation skills.
b) to offer a detailed introduction to certain critical, historical and cultural elements that underlie the composition of Latin epic. More specifically, issues discussed include:

- the correlation of myth, history, and politics in Latin literature, and particularly in epic poetry.
- 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.
- Virgil's literary models, the themes of the continuity of epic tradition and the epic succession.

Philosophy

PHIL 101 Introduction to Philosophy
- 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.

PHIL 102 Ancient Greek Philosophy
The aim of the course is to become acquainted with philosophical language and the most important stages of ancient Greek philosophical thought: The pre-Socratic 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.

PHIL 103 Modern European Philosophy
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.

PHIL 104 Logic
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.

PHIL 176 Applied Ethics
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 transplantations and genetic engineering; or even issues such as death, euthanasia, abortion, infanticide, equality between the two sexes, capital punishment, war, nuclear weapons.
## 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, Pre-Hellenic linguistic substratum, Linear B and Mycenaean Greek, Cypriot syllabary, alphabets and Greek dialects of the 1st millennium B.C., the Koiné during the Hellenistic and Roman periods, Atticism, Greek in Late Antiquity.

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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL:</td>
<td>30</td>
<td></td>
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</tr>
</tbody>
</table>

### Notes:
1. The distribution of courses for the 5th to 8th semesters is not compulsory on condition that students take one seminar per semester.
2. Students may attend two seminars in Latin or Ancient Greek Literature.
3. When the course number is not specified, students may choose from among the courses offered in the department.
4. Students cannot attend seminars in Ancient Greek, Latin or Linguistics unless they have attended a level-300 course in the relevant subject area.
5. Students cannot graduate unless they have attended an additional level-300 course in Ancient Greek and Latin.

### 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
PROGRAMME IN CLASSICS (MINOR)

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: 15 ECTS

NOTE:
Course 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 the various 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
   AEF 580-599 Topics in Latin Literature
TOTAL: 25 ECTS

C. GENERAL COURSES
1. Introduction to Ancient History (from the courses offered by 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
<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>PHIL 102</td>
<td>5</td>
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<tr>
<td></td>
<td>PHIL 176</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AEF 101</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AEF 131</td>
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<tr>
<td></td>
<td>BMG 100</td>
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<tr>
<td>2nd</td>
<td>PHIL 103</td>
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<tr>
<td></td>
<td>PHIL 104</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>LAT 195</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>HIS 144</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AEF 200-259</td>
<td>5</td>
</tr>
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<td>PHIL 200-299</td>
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<tr>
<td></td>
<td>BMG 120</td>
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<tr>
<td></td>
<td>HIS 181</td>
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<tr>
<td></td>
<td>LAT 267-299</td>
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<tr>
<td>4th</td>
<td>PHIL 200-299</td>
<td>5</td>
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<tr>
<td></td>
<td>PHIL 200-299</td>
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</tr>
<tr>
<td></td>
<td>PHIL 300-399</td>
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<tr>
<td></td>
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<td>LAN III</td>
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<td>5th</td>
<td>PHIL 300-394</td>
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<td>AEF 200-259</td>
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<td></td>
<td>LAT 267-299</td>
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<tr>
<td></td>
<td>HIS</td>
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<td>BMG (Modern Greek Literature)</td>
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<td><strong>TOTAL:</strong></td>
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<tr>
<td>6th</td>
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<td>AEF 200-259</td>
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<td>BMG (Modern Greek Literature)</td>
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<td>SPS</td>
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<td>8th</td>
<td>PHIL 3..</td>
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<td></td>
<td>PHIL 4.. (Seminar)</td>
<td>10</td>
</tr>
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<td></td>
<td>BMG</td>
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<tr>
<td></td>
<td>Elective Course</td>
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</tr>
<tr>
<td></td>
<td>PSY</td>
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</tr>
<tr>
<td></td>
<td><strong>TOTAL:</strong></td>
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</tr>
</tbody>
</table>

**Notes:**
1) Upon permission of the academic advisor, courses AEF 200-259 and LAT 260-299 can be replaced with 300-level courses.
2) Courses for the 5th to 8th semesters are not compulsory.

**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
- 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
- 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
- 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
- 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

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**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 various subject courses in History of Philosophy (10 ECTS)
- PHIL 200-299

C. Three courses from various subject courses in Systematic Philosophy (15 ECTS)
- PHIL 300-399

D. One seminar (10 ECTS)
- PHIL 400-454

**TOTAL: 55 ECTS**
CHAIRPERSON
Chris Schabel

VICE CHAIRPERSON
Vasiliki Kassianidou

PROFESSORS
Maria Iacovou
Demetrios Michaelides
Euphrosyne Rizopoulou–Egoumenidou

ASSOCIATE PROFESSORS
Alexander Beihammer
Giorgos Georgis
Vasiliki Kassianidou
Georghios Kazamias
Theodoros Mavrogiannis
Petros Papapolyviou
Chris Schabel

ASSISTANT PROFESSORS
Maria Kantirea
Ourania Kouka
Aggel Nicolaou-Konnari
Georghios Papasavvas
Maria Parani

LECTURER
Anthanasiou Vionis
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.

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>
<thead>
<tr>
<th>Level-100 Courses</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Six introductory level-100 courses in History (Compulsory)</td>
<td>30</td>
</tr>
<tr>
<td>Six introductory level-100 courses in Archaeology (Compulsory)</td>
<td>30</td>
</tr>
<tr>
<td>13 level-200 courses in History distributed among the following thematic areas (Compulsory):</td>
<td>65</td>
</tr>
<tr>
<td>Ancient History (2)</td>
<td></td>
</tr>
<tr>
<td>Byzantine History (2)</td>
<td></td>
</tr>
<tr>
<td>Medieval History (2)</td>
<td></td>
</tr>
<tr>
<td>Early Modern and Modern Greek History (2)</td>
<td></td>
</tr>
<tr>
<td>Early Modern and Modern European History (2)</td>
<td></td>
</tr>
<tr>
<td>Contemporary Greek History (2)</td>
<td></td>
</tr>
<tr>
<td>Post-war World (1)</td>
<td></td>
</tr>
<tr>
<td>Two level-200 elective courses offered by the Department in History or Archaeology</td>
<td>10</td>
</tr>
<tr>
<td>Three level-300 courses (Seminars) in History</td>
<td>30</td>
</tr>
<tr>
<td>Three courses in Ancient Greek Philology</td>
<td>15</td>
</tr>
<tr>
<td>Two courses in Latin Philology</td>
<td>10</td>
</tr>
<tr>
<td>One course in Byzantine Philology</td>
<td>5</td>
</tr>
<tr>
<td>Two courses in Modern Greek Philology</td>
<td>10</td>
</tr>
<tr>
<td>Four elective courses</td>
<td>20</td>
</tr>
<tr>
<td>Three courses in Foreign Language(s)</td>
<td>15</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td>240</td>
</tr>
</tbody>
</table>
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>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>Six introductory level-100 courses in History (Compulsory)</td>
</tr>
<tr>
<td>30</td>
<td>Six introductory level-100 courses in Archaeology (Compulsory)</td>
</tr>
<tr>
<td>55</td>
<td>11 level-200 courses in Archaeology distributed among the following thematic areas (Compulsory)</td>
</tr>
<tr>
<td></td>
<td>– Prehistoric and Protohistoric Archaeology (2)</td>
</tr>
<tr>
<td></td>
<td>– Classical Archaeology (Sculpture, Vase painting or Monumental painting and Architecture) (3)</td>
</tr>
<tr>
<td></td>
<td>– Byzantine Archaeology (3)</td>
</tr>
<tr>
<td></td>
<td>– Material Culture of Modern Times (1)</td>
</tr>
<tr>
<td></td>
<td>– Environmental Archaeology (1)</td>
</tr>
<tr>
<td></td>
<td>– Archaeometry (1)</td>
</tr>
<tr>
<td>15</td>
<td>Three level-200 elective courses offered by the Department in History or Archaeology</td>
</tr>
<tr>
<td>30</td>
<td>Three level-300 courses (Seminars) in Archaeology</td>
</tr>
<tr>
<td>15</td>
<td>Three courses in Ancient Greek Philology</td>
</tr>
<tr>
<td>10</td>
<td>Two courses in Latin Philology</td>
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<tr>
<td>10</td>
<td>Two courses in Byzantine Philology</td>
</tr>
<tr>
<td>10</td>
<td>Two courses in Modern Greek Philology</td>
</tr>
<tr>
<td>20</td>
<td>Four elective courses</td>
</tr>
<tr>
<td>15</td>
<td>Three courses in Foreign Language(s)</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>240</strong></td>
</tr>
</tbody>
</table>

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).

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 2010-2011

HIS 105 Introduction to Historical Studies, Methodology and Philology of History
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). The technique of historical research. Writing history (preparation, collection, archiving and processing historical material, analysis of historical data, synthesis).

HIS 108 Introduction to Modern Greek History
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
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). The basic text is Zacharias Tsirpanlis' Introduction to Medieval History (in Greek), although students also read primary sources and modern works of history, often in English (but sometimes in Greek). They write a paper based on a medieval text, but first they work in the library with contemporary writings from scholarly journals and books (in various languages) in order to complete an annotated bibliography of five entries. Two lessons are dedicated to slides of medieval architecture, and one to a visiting lecture.

HIS 144 Introduction to Ancient History
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)
An introductory survey of the history of Europe from the French Revolution to the end of the First World War. What is attempted is a "broad brush" survey of developments (mainly but not exclusively political and diplomatic) that have shaped the course of events in Europe. 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 Franco-German War of 1870 and the unification of 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
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)
The course examines the period from 1100-330 BC, i.e., it comprises the Geometric, Archaic and Classical eras. It investigates ancient Greek art and culture from the end of the Mycenaean world and the passage to the Geometric period, to the Archaic era that led to the unprecedented blossoming of the Classical period. It presents the specific character of each period and analyses its characteristics and achievements. It is based on an initial presentation of representative works and monuments of each period and on the analysis of works of sculpture, vase painting, monumental 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 monumental Greek temples.

ARC 132 Introduction to Byzantine Art and Archaeology
This course aims to introduce students to Byzantine material culture and secular and religious art from the 4th century down 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
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 2010-2011**

**HIS 112 Introduction to Byzantine History**
The course aims, in accordance with its introductory character, to provide students with the basic knowledge of the different periods of Byzantine history from the early Byzantine period until 1453. Special emphasis will be placed on the basic chronological facts of each period, the changing geographical expansion of the Byzantine territory, the role and functionality of the institutions of the state mechanism and administrative system 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, as well as those factors related to political decisions during the different phases of Byzantine history.

**HIS 144 Introduction to Ancient History**
See Fall Semester 2010-2011.

**ARC 118 Introduction to the Mediterranean Bronze Age Cultures**
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)**
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**
Unlike other fields of archaeology, the subjects of environmental archaeology do not include works of art, buildings, monuments or other artifacts. Environmental archaeology studies 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 and better understand 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. As an integral part of the course, there will be visits to the Archaeological Museum of Nicosia as well as archaeological sites.
TABLE I: ANALYTICAL PROGRAMME OF STUDIES FOR THE FIRST FOUR SEMESTERS

1st Semester
FALL SEMESTER 2010-1011
ARC 117 Introduction to Prehistory
ARC 123 Introduction to Classical Archaeology I (Geometric - Classical period)
HIS 108 Introduction to Modern Greek History
HIS 144 Introduction to Ancient History
BMG 100 Reading Byzantine Texts
BMG 120 Introduction to Modern Greek Philology

2nd Semester
SPRING SEMESTER 2010-1011
ARC 118 Introduction to the Mediterranean Bronze Age Cultures
ARC 124 Introduction to Classical Archaeology II (Hellenistic and Roman periods)
HIS 112 Introduction to Byzantine History
AEF 131 Ancient Greek Prose Composition
LAT 195 Latin Prose Composition
LAN First level of a foreign language course
BMG One course in Modern Greek Philology

3rd Semester
FALL SEMESTER 2010-1011
ARC 132 Introduction to Byzantine Art and Archaeology
ARC 140 Introduction to Folk Art – Traditional Craftsmen
HIS 105 Introduction to Historical Studies, Philosophy and Methodology of History
HIS 134 Introduction to the History of the Medieval West
HIS 181 Introduction to Modern European History
AEF One course in Ancient Greek Philology

4th Semester
SPRING SEMESTER 2010-1011
For students specialising in Archaeology:
ARC 141 Introduction to Environmental Archaeology
ARC
AEF One course in Ancient Greek Philology
LAT One course in Latin Philology
LAN Second level of a foreign language course
BMG One course in Modern Greek Philology

For students specialising in History:
HIS
HIS
HIS
AEF One course in Ancient Greek Philology
LAT One course in Latin Philology
LAN Second level of a foreign language course
BMG One course in Modern Greek Philology

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 2010-2011

FALL SEMESTER
HIS 105 Introduction to Historical Studies, Philosophy and Methodology of History
HIS 108 Introduction to Modern Greek History
HIS 134 Introduction to Medieval History
HIS 144 Introduction to Ancient History
HIS 181 Introduction to Modern European History (1789-1918)
HIS 205 Greek foreign policy 1923-1981
HIS 206 Byzantium during the iconoclastic period
HIS 207 The Normans
HIS 211 Stalinism and the Soviet Union
HIS 249 Classical Athens
HIS 259 Byzantine Metalwork
HIS 263 Historical Geography of the Mediterranean during the Antiquity
HIS 281 European economic history (16th-20th c.)
HIS 299 Byzantine monasticism and society
HIS 317 The 1821 Greek struggle for independence: Rereading the sources
HIS 320 The years of the conquest of Constantinople
HIS 343 Ancient Religion
ARC 117 Introduction to Prehistory
ARC 123 Introduction to Classical Archaeology I (Geometric - Classic Periods)

SPRING SEMESTER
HIS 112 Introduction to Byzantine History
HIS 144 Introduction to Ancient History (See Fall Semester 2010-2011)
ARC 118 Introduction to the Mediterranean Bronze Age Cultures
ARC 124 Introduction to Classical Archaeology II (Hellenistic and Roman Periods)

* Note: Additional courses will be announced in due course
Appendices

Calendar of Academic Year
Organogrammes
Maps
Telephone and Fax Directory
### Calendar of Academic Year

<table>
<thead>
<tr>
<th>Event</th>
<th>FALL SEMESTER 2010-2011</th>
<th>SPRING SEMESTER 2010-2011</th>
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<tr>
<td>Orientation of New Students</td>
<td>30 August - 3 September</td>
<td>10-14 January</td>
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<tr>
<td>Registration</td>
<td>30 August - 3 September</td>
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<td>Classes Begin</td>
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<td>2-8 May</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)

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**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

CHARIS CHARALAMBOUS, Chairperson
ANASTASIOS LEVENTIS, Vice-Chairperson
STAVROS ZENIOS, Rector
CONSTANTINOS CHRISTOFIDES, Vice-Rector of Academic Affairs
ANTONIS KAKAS, Vice-Rector of International Affairs, Finance and Administration
POLA KYPIRIANIDOU, Member
ERIS GEORGIOU, Member
SYMEON KASSIANIDES, Member
MICHALIS SARRIS, Member
CHARALAMBOS CHARALAMBOUS, Representative of Academic Staff
PANTELIS DAMIANOU, Representative of Academic Staff
President of the Student Union, Member
CHRISTOS CHARALAMBOUS, Representative of Administrative Staff, Member
ANDREAS CHRISTOFIDES, Director of Administration and Finance, Secretary, non-voting member

SENATE

STAVROS ZENIOS, Rector
CONSTANTINOS CHRISTOFIDES, Vice-Rector of Academic Affairs
ANTONIS KAKAS, Vice-Rector of International Affairs, Finance and Administration
PANOS PAPANASTASIOU, Dean of the Faculty of Engineering
ATHANASIOS GAGATIS, Dean of the Faculty of Social Sciences and Education
CONSTANTINOS PATTICHIS, Dean of the Faculty of Pure and Applied Sciences
ANDREAS PAPAPAVLOU, Dean of the Faculty of Humanities
MICHALIS PIERIS, Dean of the Faculty of Letters
LOUIS CHRISTOFIDES, Dean of the Faculty of Economics and Management
YIANNIS IOANNIDOU, Faculty of Humanities
THOMAS A. SINCLAIR, Faculty of Humanities
KLEANTHEIS GROHMANN, Faculty of Humanities
FOFI CONSTANTINIDOU, Faculty of Social Sciences and Education
KYRIACOS DEMETRIOU, Faculty of Social Sciences and Education
MARY IOANNIDES-KOUTSELINI, Faculty of Social Sciences and Education
ALEKOS VIDRAS, Faculty of Pure and Applied Sciences
STAVROS THEODORAKIS, Faculty of Pure and Applied Sciences
ERRIKOS KONTOGHIORGHIES, Faculty of Economics and Management
ATHANASIOS NIKOLAIDES, Faculty of Pure and Applied Sciences
MICHAEL S. MICHAEL, Faculty of Economics and Management
NIKOS VAFAIS, Faculty of Economics and Management
ANDREAS ALEXANDROU, Faculty of Engineering
MARIOS C. PHOCAS, Faculty of Engineering
CHRISTOFOROS N. HADJICOSTIS, Faculty of Engineering
JULIA CHATZIPANAYIOTI-SANGMEISTER, Faculty of Letters
MARIANNA KANTAREA, Faculty of Letters
IOANNIS TAFIKOS, Faculty of Letters
ELENA ANASTASIOUTI, Student Representative
MICHALIS EFSTATHIOU, Student Representative
COSTAS DIPLAROS, Student Representative
PANAYIOTIS EGGEZAKIS, Student Representative
SAVVAS LAMPROU, Student Representative
NICHOLAS ITALOS, Student Representative
ANDREAS CHRISTOFIDES, Director of Administration and Finance, non-voting member
PHILIPPOS TSIMPOGLOU, Director of Library, non-voting member

ADMINISTRATIVE SERVICES

DIRECTOR OF ADMINISTRATION AND FINANCE: ANDREAS CHRISTOFIDES
ACADEMIC AFFAIRS AND STUDENT WELFARE: PHILIPPOS PATTOURAS, Head
FINANCIAL: ANDROULLA THEOPHANOUS, Head
HUMAN RESOURCES: GLAFKOS CHRISTOU, Head
INFORMATION SYSTEMS: AGATHOCLES STYLIANOU, Head
LIBRARY: PHILIPPOS TSIMPOGLOU, Head
RESEARCH AND INTERNATIONAL RELATIONS: GREGORY MAKRIDES, Head
TECHNICAL: AGIS ELISSEOS, Head
Access to the New Campus

1. University House “Anastasios G. Leventis”
2. Common Teaching Facilities (CTF 01)
3. Faculty of Sciences (FST 01)
4. Faculty of Sciences (FST 02)
5. Indoor Sports Hall (SPF 01)
6. Services Buildings (SBD)
7. Energy Centre (ENC)
8. Photovoltaic Park
9. Campus Supplementary Offices (CSO)
10. Residential A (SRA)
11. Parking Area (PRK 02)
12. Parking Area (PRK 03)
13. Parking Area (PRK 05)
14. Parking Area (PRK 07)
1. Department of History & Archaeology
2. Restaurant
3. Dean FL / School of Modern Greek
4. Lecture Rooms
5. Assembly Hall
6. Library
7. Engineering Labs
8. Information Systems Services
9. Dean FH / Department of English Studies
10. Gymnastics room
11. Wing E (Library / Lecture Rooms)
12. Chapel
13. Wing B (EDU Labs)
14. Dean FSSE / Department of Psychology
15. Department of Turkish & Meddle Eastern Studies
### FACULTIES

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### ADMINISTRATIVE AND OTHER SERVICES

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### ACADEMIC DEPARTMENTS / RESEARCH UNITS

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### STUDENT UNION

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