UNIVERSITY OF CYPRUS

Undergraduate Prospectus
2007 - 2008
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Universities shoulder a great responsibility for weaving the fabric of societies in the 21st century. Young people are the foundation of a society, and the building of a modern knowledge-based society starts with the undergraduate studies.

The University of Cyprus is a vigorous community of scholars, engaged in the generation, capitalization, and diffusion of knowledge. The University is widely recognized as a pioneer of change for the educational and cultural life of the country. Through its brief fifteen-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 accession of the Republic of Cyprus into the European Union is a three year-old reality. The University is steadfastly becoming a creative laboratory of innovative ideas and a hotbed of scholarship. In this avant-garde environment, our youth don’t just accumulate knowledge but, even more importantly, they develop their capacity for critical thinking, thus becoming catalysts for change and social progress.

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 synthesize 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 students of the academic year 2007-2008 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. The Student Residences (Phase 1a), the Faculty of Pure and Applied Sciences, including the Common Teaching Facilities, and the Anastasios G. Leventis University House, which houses the management and the administrative staff of the University, have been completed and are currently operating.

Shortcomings remain. These can be attributed, primarily, to shortages in both academic and administrative staff, and 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.

I welcome this year's incoming class of students 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
General Information
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 specializations 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 6th Framework Programme, INTERREG II and III, COST, EUROMED, HERITAGE II, LEONARDO, MEDA) constitute the majority of externally funded projects.

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
- Finance
- Human Resources
- Information Systems Services
- Library
- Service for Research, International and Public Relations
- Technical Services.
The overall administration of the University is presently 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 organisation, 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 former Pedagogical Academy of Cyprus, a cluster of buildings at Latsia, and the completed facilities at the new University Campus. The Pedagogical Academy was fully renovated, while retaining its historic architectural style. Many internal areas have been restructured to suit the needs of a modern University. In addition to the main buildings, the University owns or rents other buildings in the same area, which cover its needs until the completion of the permanent Campus.

The Campus Development Office was established to supervise the New Campus Project and is responsible for its management, coordination and development. The University Campus will be completed in two phases, mainly through architectural competitions to secure the best designs and construction management for the various buildings. The Campus will be able to accommodate a total of 9,000 students.

To date, the infrastructure of the University Campus, as well as the Services and Stores Buildings, have been completed. The Student Residences (Phase 1a), the Faculty of Pure and Applied Sciences including the Common Teaching Facilities, and the University House “Anastasios G. Leventis”, which houses the management and the administrative staff of the University, are also completed and currently operating.

The Sports Facilities are nearing completion; construction of the Faculty of Economics and Management is underway and works of the Social Facilities will start this year. The design for the Learning Resource Centre is at the final stage of approval and the architectural competition for the School of Engineering design will soon be announced.

**International Relations**

The University is a member of the Association of European Universities (EUA), the Community of Mediterranean Universities (CMU), the Network of Universities from the Capitals of Europe (UNICA), the Association of Commonwealth Universities (ACU), the Association of Arab and European Universities (AEUA), the Santander Group (SG) and LEO-NET. The University has also established close contacts with numerous international organisations, including the European Commission, 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.

The University of Cyprus has signed bilateral agreements of cooperation with around 50 universities in Europe, Australia, Asia and the USA. These agreements, which are both inter-university and inter-departmental, provide mainly for student and academic staff exchanges, joint research projects, conferences and exchange of teaching and research material.

**Lectures/Cultural Activities**

All departments of the University organise public lectures and other events focused on issues of scholarly, scientific and wider interest. In addition, the University sponsors centrally organised
lectures, cultural events, exhibitions, concerts and other activities open to the general public. It cooperates with many cultural institutions, local authorities, and others in order to promote culture, 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 Aglandzia, organises a series of lectures open to the public, at Skali Aglandzias. This is known as the “Free University”; in cooperation with the Larnaca Municipality it organises the Zenonion Free University. The University of Cyprus has also expanded the “Free University” to cover Limassol, Paphos and the Cypriot Diaspora in London. In 2006, the “Free University” was established in Marioupoli, Ukraine.

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 English and French Departments, 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 3800 undergraduate students.

Fees
- Fees total 1000 Cyprus Pounds per semester for Cypriot students and are paid by the State.
- Fees for foreign students total 2000 Cyprus Pounds per semester.
- Fees for students admitted from EU countries total 1000 CYP 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. and M.Sc.) and Doctor of Philosophy (Ph.D.), based on course work and dissertation or thesis, respectively. There are currently 1200 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
- Full-time 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 units at the graduate level, in accordance with the provisions of the relevant programme of studies.
- Fulfilment of other criteria set by the department, which may include a comprehensive examination at the end of the programme and/or the submission of a dissertation.
Requirements for the Ph.D.

- Successful completion of 240 ECTS of which a minimum of 60 ECTS units 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.

Fees

1. Master Degree (except MBA): CYP 3000 (total)
2. Master in Business Administration (MBA): CYP 6000 (total)

Assistantships will be available to a limited number of students, at the discretion of each department.

(Further information on postgraduate studies can be obtained from the secretaries of the relevant departments.)

Library

The primary mission of the Library of the University of Cyprus is to serve the learning and information needs of the University community (undergraduate and postgraduate students, academic faculty, researchers and administrative staff), while also meeting the information needs of the broader public.

More than 245,000 books, with an annual increase of about 12,000 new titles, as well as 60,000 volumes of periodicals are housed in the Library. The catalogued books are searchable via the Library’s 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.

Digital Library

The Digital Library consists of the following subsystems:

- electronic journals – approximately 19,500 titles, of which 12,000 are 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).
- 156 databases.
- electronic books of Netlibrary (4,736 titles), books and book series from publishers such as Elsevier (648 titles), Springer (11,000 titles), Taylor and Francis (500 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).
- 360 useful internet links, organized into structured indexes.

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

The Library participates in the HEAL-link and CyALC (Cyprus Academic Library Consortium) consortiums, through which journals/database subscriptions and acquisition of automated organizational systems 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 the following International Organizations:

- UNICA - (Network of Universities from the Capitals of Europe)
- IFLA - (International Federation of Library Associations)
- LIBER - (Ligue des Bibliothèques Européennes de Recherche)

Collaborating with local organizations like SIMAE (Council of Historical Memory of EOKA 1955-1959) and KEE (Cyprus Research Centre), the Library has undertaken the digitization of their archive material.

The Library has also undertaken the digitization of the Proceedings of the Pan-Hellenic Conferences of Academic Libraries.

Collections and Services of the Library

Central 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 Central 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 foreign press, which is displayed in the Library.

(b) Reference Material Collection
Apart from the electronic reference collections, which are accessible through the Digital Library within the University network, traditional reference material 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 use of this material. This section in total includes 6,586 items.

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

(e) Library and Information Services for Blind and Visually Impaired Users
Since 2000, four adaptive workstations have been installed for blind users, as well as a portable magnification device for visually impaired users. The workstations are equipped with software and devices that enable blind users to use the digital library without the intervention of sighted persons. Blind users are able to read and send e-mails, surf the Internet, search the Library’s OPAC, renew borrowed books, search the 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 faculty to digitally reproduce all necessary course material for blind users.

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 4,500 printed scholarly journals, 3,400 of which are foreign language journals and 1,100 are Greek language journals. The collection is organised by general categories using the Library of Congress system and in alphabetical title order within the categories.

The collection of electronic journals includes 19,500 titles, from subscriptions, databases and through the Library’s participation in the consortium of the Greek Academic Libraries – HEAL-link. It also includes 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.
Library Branches and Collections

A. Archaeological Collection (12, Gladstonos 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 consists of approximately 20,800 archaeological books and 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. Turcological Collection (10, Halkokondili Street)
The significant collection of approximately 17,350 turcological books and 800 periodical titles make up the Turcological 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)
In September 2006 a new Library branch began operating as a closed access collection (not accessible to the users). This branch holds material that has been assembled due to lack of space at the Central Library. Following an application by the user, the material is transferred to the Central Library on a regular basis.

D. Larnakos Avenue Branch (167, Larnakos Avenue)
To better service 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 will eventually be an open access collection, accessible by the public.

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.

The Library organises special training seminars to familiarise users with its facilities and services and to help them make the best use of its collection material.

Information Systems Services
The Information System Services (ISS) provide computing facilities to the entire University for general use - hardware, networking, printing and central software such as electronic mail and office applications. Certain departments have their own facilities as well as access to the main service. The mission of the Computer Centre (CC) is to continuously evaluate and introduce new technologies, and maintain in secure and good working order the necessary information technology services and systems required to carry out all academic activities. It has established an advanced high speed data network and has recently introduced a wireless network on the main campus.

The main services that the Information System Services offer to the academic community are the following:

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 unauthorized usage. The Information Security Office continuously monitors various security announcements and informs the University community of potential risks or forthcoming security-related problems.

The Information Security Office aims to adopt the information security standard ISO 17799 and the policy via which the standard will be applied. This will help the University of Cyprus comply with the Data Protection law, the European Union laws and regulations, copyright law, software licensing and privacy.

Network sector
The aim of the Network Sector is to provide advanced network services and to create, manage and maintain the network at the University of Cyprus which 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.

The main services offered are:
- Electronic mail (email)
- Direct, quick and easy access to the wired network of the University
- Remote dial-up access
- Administration of UCY DNS and DDNS
- Dynamic IP address allocation (DHCP)
- Wireless network

Study and acquisition of advanced Internet Services, higher speeds for the wired and wireless network, Virtual Private Network (VPN)
- πP telephony.

The Systems and Applications Management Sector (SAMS) is responsible for the provision and support of the main information infrastructure of the University through the study, introduction and application of new technologies.

This sector currently consists of the following offices:

**Central Systems and Applications Support Office**

The Central Systems and Applications Support Office (CSACO) offers the following services:
- Account and e-mail management (service for users)
- Central Servers Management (service for UCY infrastructure)
- Electronic Space and Storage provision (service for users)
- Central Backup System Management (1st & 2nd level service)
- Unix operating system and Unix applications 2nd level support (service for departments and services)
- Central Services support (service for other sectors) for:
  - Web pages,
  - Mailing lists,

- Databases,
- Name services,
- Dial-up,
- Various applications and tools.

**Unified and Automated Services Support Office**

The Unified and Automated Services Support Office (UASSO) offers the following services:
- Office Automation System services (document filing and workflow).
- Systems Management Software services (includes Asset Management Software Deployment, Help Desk / Service Desk, Network Management).

**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 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-Services Team**

**Internet Applications**

The team is responsible for the development of applications which are linked with databases. Examples of such applications are:
- Equipment and Tasks Management System
- Daily Press
- Expendables Ordering System
- Grading System.

**e-Learning**

The Information Systems Service and the e-Services team support the e-Learning system for the academic community of the University by installing and maintaining e-learning systems.
Such systems are the WebCT which the academic community currently uses, and the IBM Learning Space will soon be installed. These systems enhance the education of students by providing alternative ways of communication not only between professors and students, but also between 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. The maintenance of a website can be handled by the e-Services team upon request by the Service/Department or the Service/Department itself by using the e-Service Team for technical support.

**Multimedia Team**
The multimedia services of the University offer a vast array of advanced services and technologies which focus on the elements of sound and image through the internet and the use of internet. Specifically, the Multimedia Team offers the following services:

- Multimedia lab (E006) for e-learning, e-meeting, and e-presenting purposes for remote users
- Digital recording and photographing of presentations, seminars, and debates
- Digitalisation of video and sound
- Live broadcasting of seminars/debates or other events through the internet
- Optical acoustic lab with 25 monitors, 25 videos, audio system, and centre console with two 27-inch televisions.

**Users Support Sector**

**Help Desk / Service Desk**
A computerized 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 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 the 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.

The Office of Laboratories aims to transfer knowledge to all the Departments of the University and local support teams, so that “all students have access to all general use laboratories”.

Furthermore, there are various specialized departmental laboratories which are managed by the local support teams.

**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

An old mansion situated at Axiothea Street, in the historic centre of Nicosia, houses the Cultural Centre of the University of Cyprus.

Generously offered to the University by the State and carefully restored by the Department of Antiquities, the building serves as the home of the University’s cultural activities.

The Centre houses the University’s Theatre Workshop, whose members are primarily students, but also includes other individuals such as members of the academic and administrative staff, alumni, friends of the arts, artists, etc.

The Workshop aims to upgrade theatre activities within the University and contribute to the cultural life of Cypriot society. Theatre productions focus on Greek and Cypriot plays.

Other activities include a Cultural Festival focused on Mediterranean culture, dance and music. The rich activity has placed the University Cultural Centre in a central position on the cultural map of Cyprus.

Publications

In order to provide comprehensive information to the public, students, prospective students, and the international academic community, the University publishes an annual Undergraduate and a Postgraduate Prospectus in Greek and English. A publication listing the research interests, projects and publications of the academic staff of the University is also produced, as well as the University Annual Report, information leaflets and other material. A University magazine is published twice a year and a newsletter every other month.

The contribution of the University to publishing is supplemented by “Mesogios Press”, a joint venture with Ellinika Grammata of Greece. The publishing house aims to promote and enhance science, art, culture and social awareness through the production and promotion of books. “Mesogios Press” has published its first ten books.

The academic staff of the University is very productive in scholarly publications. This is evident in the publication “Research at the University of Cyprus — Research Profile and Publications” which comes out every three years. The 2002-2004 volume lists 141 books, 272 book chapters and 1587 papers in academic journals.
The Students
ENTRY REQUIREMENTS FOR OVERSEAS STUDENTS

Department of English Studies
Three A’ Level subjects, one of which must be English Language, with minimum grades B, C, C. One of the other two subjects could be Greek language.

Department of French Studies and Modern Languages
Three A’ Level subjects, one of which must be French Language, with minimum grades B, C, C. One of the other two subjects could be Greek language.

Department of Turkish and Middle Eastern Studies
Any three A’ Level subjects from the following: Modern Greek Language, History, English Literature or Turkish Literature with minimum grade B in all three subjects.

Department of Biology
O’level in Greek language with a minimum grade C and three out of the following four A-level subjects (or equivalent): Mathematics, Physics, Chemistry, Biology, with a minimum grade B.

Department of Chemistry
O’ Level Greek Language with minimum grade C and three A’ Level subjects: Chemistry, Physics and Mathematics with minimum grade B.

Department of Computer Science
O’ Level in Greek Language with minimum grade C and three A’ Level subjects, one in Mathematics with grade A and any two subjects from the Pure and Applied Sciences such as Further Mathematics, Statistics, Chemistry and Computers with minimum grade B, C.

Department of Mathematics and Statistics
O’ Level in Greek Language with minimum grade C and three A’ Level subjects: one in Mathematics with grade A and any two subjects from the Pure and Applied Sciences such as Further Mathematics, Statistics, Chemistry and Computers with minimum grade B, C.

Department of Physics
O’ Level Greek Language with minimum grade C and three A’ Level subjects, two of which must be either in Mathematics or Physics with minimum grade B and one from the Pure Sciences (i.e., Biology, Chemistry, Applied or Pure Mathematics, Computers) with minimum grade B.

Department of Education
O’ Level in Greek Language with minimum grade C and three A’ Level subjects with minimum grades B,C,C. One of the three subjects must be either Mathematics or Physics, and two from the following: Mathematics, Physics, History, Ancient Greek or Economics.

Department of Psychology
O’ Level in Greek Language with minimum grade C and three A’ Level subjects with minimum grades B, C, C. One of the three subjects must be either Mathematics or Physics and two from the following: Mathematics, Physics, History, Ancient Greek or Economics.

Department of Social and Political Sciences
Three A’ Level subjects with minimum grades B, B, C. One of the subjects must be Greek Language.

Department of Economics
O’ Level Greek Language with minimum grade B, A’ Level Mathematics with minimum grade B and any two A’ Level subjects from the areas: Economics, Pure Sciences, Sociology, History with minimum grades B, C.

Department of Public and Business Administration
O’ Level Greek Language with minimum grade B and three A’ Level subjects, one of which must be in Mathematics and two in any other subjects with minimum grades B, B, C.

Departments of:
- Civil and Environmental Engineering
- Electrical and Computer Engineering
- Mechanical and Manufacturing Engineering
O’ Level Greek Language with minimum grade C, A’ Level Mathematics with minimum grade B, A’ Level Physics with minimum grade B, A’ Level in one of the following, with minimum grade C: Chemistry, Biology, Applied Mathematics, Further Mathematics, Computers.

Department of Architecture
O’ Level Greek Language with minimum grade C, A’ Level Mathematics with minimum grade B, A’ Level Physics with minimum grade B, A’ Level in one of the following, with minimum grade B: Chemistry, Art and Design / Fine Art, Applied Mathematics, Further Mathematics, Computers.

Department of Byzantine and Modern Greek Studies
O’ Level Greek Language with minimum grade C and any three A’ Level subjects with minimum grades B, C, C.

Department of Classics and Philosophy
O’ Level Greek Language with minimum grade C and any three A’ Level subjects with minimum grades B, C, C.

Department of History and Archaeology
Three A’ Level subjects, two of which must be in History and Modern Greek with minimum grades A, B and another subject with minimum grade C.
STUDIES

Requirements for Admission
Approximately 1000 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 exams 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 12% 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 exams.

Citizens of the Member States of the E.U.
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 of Cyprus are eligible to participate in the entrance examinations set by the Ministry of Education of the Republic of Cyprus.

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.

Overseas Students
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.

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 3-4 elective courses (not included in the student’s specialisation) which should be taken from two different faculties of the University.

Foreign Language
All undergraduate programmes require 2-3 courses in a foreign language. The student’s performance in the foreign language is included in the average mark.

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 (http://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 and Greek students are offered a sightseeing tour of Nicosia and a welcome reception.

The Careers Centre
The University Careers Centre provides information on graduate programmes and scholarships abroad. The Centre is available to help students choose and enter a satisfactory career.

The Centre provides transcripts in English for a small fee.

The Careers Centre organizes an annual Careers Fair, lectures, workshops and other events relevant to employment and postgraduate studies abroad.

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

Financial Aid
The Student Life 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 private initiatives.
Personal Guidance and Counseling Services

The University provides counseling services for personal and/or academic issues that may interfere with the students’ academic career. Through counseling and psychotherapy, the Counseling 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 and confidential. Throughout the academic year, there will be a number of presentations and workshops offered based on the students’ needs. The primary goal of this service is to assist students develop and maximize 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, be it 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 150 to 250 Cyprus Pounds per month, for a two-bedroom flat 250 to 350 Cyprus Pounds per month, and for a three-bedroom flat 350 to 450 Cyprus Pounds. 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.

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. Erasmus students should inform the Housing Office of their accommodation needs by June 30 for the Fall Semester and November 30 for the Spring Semester.

Services for Greeks and Greeks of the Diaspora

Five scholarships (2.150 Cyprus Pounds each) are awarded by the Cyprus government to Greek students based on their examination results. Furthermore, the Cyprus government offers meal coupons every term to students who are Greek subjects or Greeks of the Diaspora. The coupons are equivalent to 3.00 Cyprus Pounds 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 term.

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 EU 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 organises prevention campaigns, blood-donation drives and refers students to public hospitals.

More information about the services available can be obtained from the Service of Academic Affairs and Student Welfare.
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.

Athletics
Athletics is very important at the University of Cyprus. The Athletics Programme of the University aims to offer students a variety of activities that will promote good health – of mind, body and soul.

The Athletics Office of the Academic Affairs and Student Welfare Service has prepared a sports programme which allows all students to engage in a sport they like and which fits their interests and needs. The programme is adapted to class schedules.

The Athletics Programme is divided into five categories:
- Internal Championships
- Competitive Sports
- Recreation Sports
- Sports and Social Contribution
- Events

For more information students may apply to the Athletics Office, where they can find the current year’s Athletics Programme.

Student Clubs
There are twenty-five 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. Approved Student Clubs are funded by the University. The “Club Evening” is a yearly event 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 Union organises a “Club Week” and many other activities throughout the year. Student Welfare 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
• Archaeology
• Arts
• Chess
• Cinema
• Cyprus Educational Administration Society
• Cyprus Society for Special Education
• Dancing
• Doctors of the World
• European Affairs
• Experimental Laboratory of Creative Expression
• French
• Greek Club
• Greek and Orthodox Tradition
• Journalists
• Karate
• Literature
• Music
• Photoclub
• Philosophy
• Preschool Education
• Psychology
• Sailing
• Survival
• Terpsichorian Group
• Theatre

STUDENT EXCHANGES

LPP/Erasmus Programme
The University of Cyprus has participated in the ERASMUS Programme since the academic year 1998/99. The goal of the Programme is to promote the European dimension in education and acquaint students and teachers with the different cultures that compose the European Union. The programme has a number of activities, an important one of which is the exchange of students and staff. The aim of the exchanges is to create opportunities for mobility, thereby strengthening understanding and familiarity amongst the peoples of Europe and particularly among the younger generation.

A major effort towards realising the above objectives is through the learning of European languages, particularly those which are less widely spoken, such as Danish, Finnish, Flemish, Dutch, Italian, Portuguese and Swedish. The most important means for establishing a European consciousness is learning the different European languages and establishing personal contact with each others’ cultures and civilisations. Exchanges aim to promote the above objectives and simultaneously to give students the opportunity to fulfill part of their degrees in other European universities (for one or two semesters of the same academic year).

The exchange programme depends upon the mutual recognition of the educational programmes by the host and sending universities. This is achieved through the implementation of the rules set by the European Credit Transfer System (ECTS), which are based on transparency of information and methodology and on mutual trust and recognition of the programmes of study involved. Details are given in the Information Package produced by each institution, the Student Application Form, the Learning Agreement and the student’s Transcript of Records.

The ECTS comprises 60 credits per academic year, which represent the student’s workload, 30 for a semester and 15 for a term.

During the period 1998-2007, 562 students of the University of Cyprus studied at collaborating European Universities, while the University of Cyprus welcomed around 307 ERASMUS students.
students, and 77 members of the academic staff participated in teaching staff exchanges.

Within the framework of the LLP/ERASMUS Programme for 2006-2007 the University of Cyprus has signed 256 bilateral agreements of collaboration with 121 universities in 21 European countries. Moreover, the University participates in Thematic Networks and Intensive Programmes.

From the academic year 2007-08, the Erasmus Programme includes placements for students in European countries and the mobility of academic and administrative staff for training.

Leonardo da Vinci Programme
The Leonardo da Vinci community programme offers placements / exchanges of students and staff in the countries of the European Union (Mobility). These exchanges offer students and young graduates the opportunity to work in European companies, organisations or industry. In the summer of 2005, the first Mobility project for the University of Cyprus was realized with placement of two students from the Department of Civil and Environmental Engineering in companies in Greece. In the summer of 2006 the second Mobility project placed three students from the Department of Electrical and Computer Engineering in companies in Germany and Austria. From September 2006 until July 2007, under the third Mobility Project four graduates (three from the Department of Education and one from the Department of Classics and Philosophy) were placed in organisations in Spain, the Netherlands and the UK.

Other Student Exchanges
Within the framework of Bilateral Cooperative Agreements students have the opportunity to study at collaborating universities. In 2002-2003, five students studied at universities in France, Greece and the UK within the framework of these agreements.

For more information regarding the Exchange Programmes and ECTS, please contact the International Relations and European Programmes Office of the Service for Research, International and Public Relations. The Service has produced a special publication, “General Information for Foreign Students”, for all international students.

SCHOOL OF MODERN GREEK
The School of Modern Greek of the University of Cyprus was founded in 1998 in order to provide courses in the Greek language to non-native speakers. The School of Modern Greek welcomes prospective students, members of the academic staff of the University, exchange students and other non-native speakers. It also offers intensive short-term courses tailored to specific needs and requirements, e.g., to children of Cypriot immigrants or groups of professionals. ERASMUS students can enroll, free of charge, in the Summer Intensive Course or in any of the regular courses of the School of Modern Greek, depending on the duration of their stay at the University of Cyprus. Students enrolled in the School of Modern Greek are entitled to use the library, the computer centre, the sports facilities and the campus restaurant.

All programmes are offered at beginner, intermediate, advanced and higher levels. Upon completion of a course, students may opt to sit oral and written examinations. Successful students are awarded a certificate.

There is a number of scholarships available to students who wish to attend the Summer Intensive Course that runs every August. These scholarships are offered by the School and the Alexander S. Onassis Foundation. To enroll or apply for a scholarship, students must complete the application form and enclose all relevant information.

The address of the School of Modern Greek is 75, Kallipoleos Avenue.
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,
- the Faculty of Social Sciences and Education with four departments,
- 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 Faculty of Letters with three departments and the Archaeological Research Unit.

The table on pages 26-27 lists the departments and the degrees they offer.

On pages 29-234 there are detailed descriptions of the programmes of studies, as well as information on the aims and activities of the departments.
<table>
<thead>
<tr>
<th>FACULTY</th>
<th>DEPARTMENT</th>
<th>DEGREE</th>
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<tbody>
<tr>
<td>HUMANITIES</td>
<td>ENGLISH STUDIES</td>
<td>- English Language and Literature</td>
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<td></td>
<td>FRENCH STUDIES AND MODERN LANGUAGES</td>
<td>- French Language and Literature</td>
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<td>TURKISH AND MIDDLE EASTERN STUDIES</td>
<td>- Turkish Studies</td>
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<tr>
<td>PURE AND APPLIED SCIENCES</td>
<td>BIOLOGICAL SCIENCES</td>
<td>- Biology</td>
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<td>CHEMISTRY</td>
<td>- Chemistry</td>
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<td></td>
<td>COMPUTER SCIENCE</td>
<td>- Computer Science</td>
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<td></td>
<td>MATHEMATICS AND STATISTICS</td>
<td>- Mathematics - Mathematics and Statistics</td>
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<td>PHYSICS</td>
<td>- Physics</td>
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<tr>
<td>SOCIAL SCIENCES AND EDUCATION</td>
<td>EDUCATION</td>
<td>- Education / Preschool - Education / Primary School</td>
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<tr>
<td></td>
<td>LAW</td>
<td>Not offered at present</td>
</tr>
<tr>
<td></td>
<td>PSYCHOLOGY</td>
<td>- Psychology</td>
</tr>
<tr>
<td></td>
<td>SOCIAL AND POLITICAL SCIENCES</td>
<td>- Political Science - Sociology</td>
</tr>
</tbody>
</table>
The programme is currently offered by the Department of Civil and Environmental Engineering.
### Faculty of Humanities

**Dean:** Stephanos Stephanides  
**Deputy Dean:** Martin Strohmeier

**Department** | **Chairperson**  
---|---  
English Studies | Maria Margaroni  
French Studies and Modern Languages | Yiannis E. Ioannou (temporary)  
Turkish and Middle Eastern Studies | Niyazi Kizilyurek

### Faculty of Economics and Management

**Dean:** Louis Christofides  
**Deputy Dean:** Andreas Charitou

**Department** | **Chairperson**  
---|---  
Economics | Michael Michael  
Public and Business Administration | Andreas Soteriou

### Faculty of Pure and Applied Sciences

**Dean:** Andreas Constantinou  
**Deputy Dean:** Stavros Theodorakis

**Department** | **Chairperson**  
---|---  
Biological Sciences | Constantinos Deltas  
Chemistry | Epameinondas Leontidis  
Computer Science | George Papadopoulos  
Mathematics and Statistics | Yiorgos Socrates Smyrlis  
Physics | Andreas Othonos

### Faculty of Engineering

**Dean:** Andreas Alexandrou  
**Deputy Dean:** Charalampos Charalambous

**Department** | **Chairperson**  
---|---  
Civil and Environmental Engineering | Panos Papanastasiou  
Electrical and Computer Engineering | Marios Polycarpou  
Mechanical and Manufacturing Engineering | Ioannis Giapintzakis

### Faculty of Letters

**Dean:** Ioannis Tafacas  
**Deputy Dean:** Panagiotis Agapitos

**Department** | **Chairperson**  
---|---  
Byzantine and Modern Greek Studies | Dimitris Angelatos  
Classics and Philosophy | Anna Panayiotou - Triantaphyllopoulou  
History and Archaeology | Theodoros Mavrogianis

### Faculty of Social Sciences and Education

**Dean:** Athanasios Cagatsis  
**Deputy Dean:** Andreas Kapardis

**Department** | **Chairperson**  
---|---  
Education | Constantinos Christou  
Social and Political Sciences | Kyriakos Demetriou  
Psychology | Athanasios Kafkopoulos  
Law | Andreas Kapardis (temporary)
Department of English Studies
CHAIRPERSON
Maria Margaroni

VICE CHAIRPERSON
Anastasia Nikolopoulou

PROFESSOR
Stephanos Stephanides

ASSOCIATE PROFESSORS
Maria Margaroni
Anastasia Nikolopoulou
Andreas N. Papapavlou

ASSISTANT PROFESSORS
Antonis Balasopoulos
Kleanthes K. Grohmann
Phoevos Panagiotidis
Pavlos Pavlou
Evy Varsamopoulou

LECTURERS
Photini Coutsougera
George Floros
INTRODUCTION

The Department of English Studies offers a degree programme in English Language and Literature and two minor programmes in English Literature and Linguistics.

OBJECTIVES

The B.A. Degree Programme in English Studies is designed to provide students with:

(a) A high level of communicative competence in the use of English;

(b) The theoretical background necessary to understand the structure and use of language in general and of the English language in particular;

(c) The ability to use knowledge of linguistics and the English language in research and teaching;

(d) Knowledge of the literature, history and cultural background of English-speaking peoples; knowledge of major writers and literary movements;

(e) 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;

(f) 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, research and teaching methodology. Students who successfully complete the programme may (1) pursue a career in teaching, professional translation, public or foreign service, and media and communication; or (2) undertake graduate studies in a wide variety of areas including British, American or Comparative Literature, Literary Theory, Cultural Studies, Theoretical and Applied Linguistics, 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

To obtain the B.A. Degree in English Studies, students must fulfill the following requirements:

<table>
<thead>
<tr>
<th>Courses</th>
<th>ECTS</th>
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</thead>
<tbody>
<tr>
<td>Programme Requirements</td>
<td>33</td>
</tr>
<tr>
<td>University Required Courses</td>
<td>4</td>
</tr>
<tr>
<td>Language Other than English</td>
<td>3</td>
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<tr>
<td>TOTAL</td>
<td>40</td>
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<td>240</td>
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</tbody>
</table>

Foreign Language Requirement

Students majoring in English must take three courses (15 ECTS) in another foreign language. All three courses must be in the same language.

University Required Courses

Students are required to take four courses (outside the programme in English) from at least two Faculties.

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 108 ACADEMIC COMMUNICATION IN ENGLISH

This course aims at training students to develop their listening, speaking and writing abilities, with emphasis on writing. Through the study of fiction and non-fiction, students will acquire the basic skills of academic writing: how to develop a thesis, how to support the thesis with evidence drawn from the text itself, and how to present their analyses and arguments persuasively to the reader.

ENG 113 ACADEMIC ESSAY WRITING

A continuation of ENG 108. Students will have additional practice in the art of persuasive academic writing, and will work toward producing a final research paper that will entail the use of libraries, the collection, organisation and authentication of information, and the ability to defend their thesis in class discussion.
ENG 210 TOPICS IN ENGLISH LITERATURE AND CULTURE
This course is designed to introduce students to the four literary genres: fiction, short stories, poetry and drama, as well as essays, and turn them into active readers so that they can think critically and interpret the significance of the studied genres. This procedure will involve an analysis of the way literature reflects human values and thus has relevance in today’s world.

Literature Component

ENG 122 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 123 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 124 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 216 MODERN DRAMA
The course will concentrate on plays written in the late 19th century, the beginning of Realism and Naturalism, and then move into the 20th century to include plays written up to the 1990s. Each play will be studied in its cultural as well as its historical context. The course also includes an emphasis upon theatre history and theatre criticism.

ENG 217 STUDIES IN POETRY I
The aim of this survey course is to develop the student’s knowledge and appreciation of the historical, theoretical and aesthetic modes in the development of English poetry from the early 15th to 20th centuries. Major Schools of English poetry such as the Elizabethan Sonnet form, the Metaphysical School, the English Epic, the Neo-Classical School, the Romantics and the Moderns will be studied. Major figures will include Chaucer, Spenser, Sidney, Shakespeare, Donne, Milton, Wordsworth, Keats, Byron and T.S. Eliot. The course will also contextualize the various historical and cultural dimensions in which the poets worked and produced their poetry.

ENG 218 STUDIES IN FICTION I
This course considers issues of narrative form, structure, technique and style in the short story and the novel from the period of their first emergence to the late Victorian era. Students will also be introduced to the question of the relationships between the social, historical and cultural context of the period 1714-1890 and the development of a repertoire of genre conventions and innovations.

ENG 219 STUDIES IN FICTION II
This course focuses on the major impact of modernism and postmodernism on twentieth-century fiction. Attention will be paid to some of the crucial cognitive, aesthetic and ontological issues posed during the period 1900-1999, as well as to the ways in which representative works of modern fiction have responded to the challenges and dilemmas of modernity and postmodernity.

ENG 317 HISTORY OF LITERARY THEORY AND CRITICISM
The course aims at raising student awareness of the history of literary theory, and of current debates around the study, interpretation and evaluation of literary texts. Some of the major exponents of literary theory from Aristotle to the poststructuralists are studied. Through the study of selected literary texts, students are encouraged to examine how texts themselves (re)stage the theoretical debates around them.

ENG 324 STUDIES IN POETRY II
This course will take a critical and comparative approach to modern poetry in English and in English translation. The focus will include the study of the rise of modernist poetry and its antecedents, and will emphasize the international and multicultural aspects of poetry in English in the second half of the twentieth century. Study of translated poetry and its reception in English will also be considered.

ENG 325 SHAKESPEARE
The purpose of this course is to introduce students to the systematic study of four or five representative plays from the corpus of Shakespeare’s poetic verse dramas in the distinctive genres of history, comedy and tragedy. The range of Shakespeare’s dramatic art, its elements and structure, together with his poetics are emphasized. Students are also introduced to the historical, social and cultural background of the late 16th and early 17th centuries as well as a comparative study of Shakespeare’s sources and critiques of the plays.

Linguistic Component

ENG 133 INTRODUCTION TO LINGUISTICS I
The course deals with the levels of linguistic analysis: phonetics, phonology, morphology, syntax, semantics and pragmatics. Extensive use of practical exercises will help students understand theoretical concepts and learn how to approach language in a scientific way.

ENG 134 INTRODUCTION TO LINGUISTICS II
The course is an introduction to the scientific study of language. Its objective will be to present fundamental, general characteristics and
various aspects (communicative, social, psychological, etc.) of language. Basic notions and distinctions of the main theoretical trends (structuralism, generativism) are also introduced.

**ENG 135 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 231 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 234 ENGLISH PHONETICS AND PHONOLOGY**
The course provides an introductory survey of the phonetics of English and introduces students to the fundamental concepts and principles of phonology. Major topics covered include the articulation of English phones, phonetic transcription, rhythm and intonation as features of English and modern phonological theories.

**ENG 235 MORPHOLOGY AND SYNTAX OF ENGLISH**
The course examines the internal structure of words and the rules by which word formation takes place, and provides an introductory study of English grammar from a formal perspective. It examines the relationship between syntax and morphology by considering the effects that some morphological processes have on syntax. It also considers the phrase structure properties of English, the different properties of main and embedded clauses, and discusses movement operations, such as yes/no and wh-questions, passives and raising constructions.

**ENG 236 SEMANTICS AND PRAGMATICS**
The course aims to provide an understanding of the principles underlying the expression of meanings through language. It surveys basic topics in semantics such as sense and reference, lexical semantics and basic sense relations, semantics and grammar, simple logic. It also provides an introduction to pragmatics and the negotiation of interpersonal meanings in contexts of situation.

**ENG 333 TRANSLATION STUDIES**
The aims of the course are: to develop a set of criteria for practising, analyzing and evaluating translations, by focusing on different levels of linguistic analysis; to practice translation of a wide variety of texts from and to English and Greek; to develop different aspects of translation training, including effective revision and editing strategies; to introduce central issues of translation theory.

**ENG 334 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 430 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.

**Compulsory Courses from other Departments**

**CS 001 INTRODUCTION TO COMPUTER SCIENCE**
Fundamentals of Computer Science, the main historical events which have contributed to its development, and the possibilities it offers. Basic constituent elements of Computer Science and methods for making it valuable to other sciences and applications. Practical experience with application packages, basics of programming, and programming in a fourth generation language such as Logo.
# Programme of Studies in English Language and Literature

## A. Compulsory Courses (24)

**Language Component (3)**
- ENG 108 Academic Communication in English
- ENG 113 Academic Essay Writing
- ENG 140 Research Skills in the Humanities

**Literature Component (10)**
- ENG 122 Introduction to the Study of Fiction
- ENG 123 Introduction to the Study of Drama
- ENG 124 Introduction to the Study of Poetry
- ENG 216 Modern Drama
- ENG 217 Studies in Poetry I
- ENG 218 Studies in Fiction I
- ENG 219 Studies in Fiction II
- ENG 324 Studies in Poetry II
- ENG 325 Shakespeare
- ENG 317 History of Literary Theory and Criticism

**Linguistics Component (11)**
- ENG 133 Introduction to Linguistics I
- ENG 134 Introduction to Linguistics II
- ENG 135 Pedagogical Grammar
- ENG 231 Sociolinguistics
- ENG 234 English Phonetics and Phonology
- ENG 235 Morphology and Syntax of English
- ENG 236 Semantics and Pragmatics
- ENG 333 Translation Studies
- ENG 334 EFL Methodology
- ENG 335 Language Change and Development
- ENG 430 Psycholinguistics

## B. Optional Courses (9)

Students must take twelve optional courses in total from the programme in English language and literature, either from Literature or from Linguistics. Available options will vary from year to year according to the interests of staff and students. Specific topics will be announced before the beginning of each semester. Possible options may be:

**Literature**
- ENG 501 Seminar in Gothic Studies
- ENG 504 Studies in Victorian Fiction
- ENG 505 Cultural Representations: Class, Gender and Slavery 1790-2005
- ENG 507 Enlightenment and the Novel
- ENG 521 Studies in Shakespeare I
- ENG 522 Studies in Shakespeare II
- ENG 523 Theatre and Cultural Studies, 18th and 19th Centuries
- ENG 524 African and African-American Literature
- ENG 525 Topics in Drama
- ENG 526 Topics in Poetry
- ENG 527 18th Century Prose Writing
- ENG 528 Romanticism and the Novel
- ENG 529 Literature of Peace and War
- ENG 530 Literature and Psychoanalysis
- ENG 533 English Literature and Culture at the Fin-de-Siècle
- ENG 534 Seminar in American Studies I
- ENG 535 Seminar in American Studies II
- ENG 536 Seminar in Comparative Studies I
- ENG 537 Seminar in Comparative Studies II
- ENG 538 Women Writers and Fantasy

## C. Foreign Language Requirements (3)

## D. Electives (4)
### Schedule of Courses for English Studies

<table>
<thead>
<tr>
<th>1st Year</th>
<th>4th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td>ENG 219 Studies in Fiction II</td>
</tr>
<tr>
<td>ENG 108 Academic Communication in English</td>
<td>ENG 216 Modern Drama</td>
</tr>
<tr>
<td>ENG 122 Introduction to the Study of Fiction</td>
<td>ENG 234 English Phonetics and Phonology</td>
</tr>
<tr>
<td>ENG 123 Introduction to the Study of Drama</td>
<td>ENG 236 Semantics and Pragmatics</td>
</tr>
<tr>
<td>ENG 133 Introduction to Linguistics I</td>
<td>Two Electives</td>
</tr>
<tr>
<td>ENG 140 Research Skills in Humanities</td>
<td>Total ECTS: 30</td>
</tr>
<tr>
<td>Foreign Language Course</td>
<td>3rd Year</td>
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<tr>
<td>Total ECTS: 30</td>
<td>5th Semester</td>
</tr>
<tr>
<td>2nd Semester</td>
<td>ENG 317 History of Literary Theory and Criticism</td>
</tr>
<tr>
<td>ENG 113 Academic Essay Writing</td>
<td>ENG 324 Studies in Poetry II</td>
</tr>
<tr>
<td>ENG 124 Introduction to the Study of Poetry</td>
<td>ENG 333 Translation Studies</td>
</tr>
<tr>
<td>ENG 134 Introduction to Linguistics II</td>
<td>One Elective: Linguistics or Literature</td>
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<tr>
<td>ENG 135 Pedagogical Grammar</td>
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<tr>
<td>Foreign Language Course and/or Elective</td>
<td>6th Semester</td>
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<tr>
<td>Total ECTS: 30</td>
<td>ENG 325 Shakespeare</td>
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<tr>
<td>2nd Year</td>
<td>ENG 334 EFL Methodology</td>
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<tr>
<td>ENG 217 Studies in Poetry I</td>
<td>ENG 335 Language Change and Development</td>
</tr>
<tr>
<td>ENG 218 Studies in Fiction I</td>
<td>One Elective: Linguistics or Literature</td>
</tr>
<tr>
<td>ENG 231 Sociolinguistics</td>
<td>Total ECTS: 30</td>
</tr>
<tr>
<td>ENG 235 Morphology and Syntax of English</td>
<td>4th Year</td>
</tr>
<tr>
<td>Foreign Language Course and/or Elective</td>
<td>7th Semester</td>
</tr>
<tr>
<td>Total ECTS: 30</td>
<td>ENG 430 Psycholinguistics</td>
</tr>
<tr>
<td>3rd Semester</td>
<td>Three Electives: Linguistics and/or Literature</td>
</tr>
<tr>
<td>ENG 217 Studies in Poetry I</td>
<td>Total ECTS: 30</td>
</tr>
<tr>
<td>ENG 218 Studies in Fiction I</td>
<td>8th Semester</td>
</tr>
<tr>
<td>ENG 231 Sociolinguistics</td>
<td>Four Electives: Linguistics and/or Literature</td>
</tr>
<tr>
<td>ENG 235 Morphology and Syntax of English</td>
<td>Total ECTS: 30</td>
</tr>
<tr>
<td>Foreign Language Course and/or Elective</td>
<td>5th Year</td>
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<tr>
<td>Total ECTS: 30</td>
<td>6th Semester</td>
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<tr>
<td>4th Year</td>
<td>ENG 325 Shakespeare</td>
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<td>ENG 430 Psycholinguistics</td>
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<tr>
<td>Three Electives: Linguistics and/or Literature</td>
<td>ENG 335 Language Change and Development</td>
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<tr>
<td>7th Semester</td>
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<tr>
<td>ENG 430 Psycholinguistics</td>
<td>8th Semester</td>
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<tr>
<td>Three Electives: Linguistics and/or Literature</td>
<td>Four Electives: Linguistics and/or Literature</td>
</tr>
<tr>
<td>Total ECTS: 30</td>
<td>6th Year</td>
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### Minor in English

**A. Minor in English Linguistics**

The requirements for the minor in the Linguistics of English are as follows:

(a) Six compulsory courses
ENG 133 Introduction to Linguistics I
ENG 135 Pedagogical Grammar
ENG 234 English Phonetics and Phonology
ENG 235 Morphology and Syntax of English
ENG 236 Semantics and Pragmatics
ENG 231 Sociolinguistics or
ENG 334 EFL Methodology or
ENG 430 Psycholinguistics

(b) Four additional courses
Four courses taken from the Linguistics component of the BA Programme in English Language and Literature. All course choices are subject to the approval of the Department. Students taking a minor in the Linguistics of English are required to have already fulfilled the Foreign Language Requirement in English before taking the minor.

**B. Minor in English Literature**

The following three introductory courses are compulsory:
ENG 122 Introduction to the Study of Fiction
ENG 123 Introduction to the Study of Drama
ENG 124 Introduction to the Study of Poetry

Students will choose an additional seven 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 interests 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. Students taking a minor in English Literature are required to have already fulfilled the Foreign Language Requirement in English before taking the minor.
PRÉSIDENT
Yiannis E. Ioannou

VICE–PRÉSIDENDE
Monique Burston

PROFESSEUR
Yiannis E. Ioannou

PROFESSEUR ADJOINT
Monique Burston

PROFESSEURS ASSISTANTS
Fabienne H. Baider
May Chehab

LECTEURS
Apostolos Lampropoulos
Efí Lamprou
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

Cours du cursus de Langue et Littérature françaises (38 cours) 200

Cours optionnels pris hors cursus et Participation aux Colloques, Conférences et/ou Séminaires 25

Langue étrangère autre que le français (3 cours) 15

TOTAL 240

LANGUE ÉTRANGÈRE AUTRE QUE LE FRANÇAIS

Les étudiants se spécialisant en Études françaises doivent suivre trois cours (15 crédits ECTS) d’une langue étrangère autre que le français.

COURS OPTIONNELS PRIS HORS CURSUS

Les étudiants du Département d’Études françaises sont tenus :

1) soit de suivre des cours optionnels (pris hors du cursus d’Études françaises et provenant d’au moins deux Facultés différentes) totalisant 25 crédits ECTS

2) soit de suivre des cours optionnels (pris hors du cursus d’Études françaises et provenant d’au moins deux Facultés différentes) totalisant 23 crédits ECTS et d’assister à des colloques, conférences et séminaires organisés par l’Université de Chypre totalisant 2 crédits ECTS, sachant que 1 crédit ECTS équivaut à 10 conférences et qu’une journée de colloque équivaut à 3 conférences.

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 :

I- Comment aborder un texte (méthodologie de lecture et d’explication des textes), II- Méthodologie de recherche et de présentation de
l’exposé, III- La cohésion du texte, les connecteurs logiques, IV-
Méthodologie de l’argumentation, V- Défendre son point de vue à
l’oral, VI- Présentation des exposés oraux. Les étudiants amélioreront
leurs connaissances de la langue et de la société française en étudiant
des documents authentiques (articles de presse, documents vidéo). Ils
sauront 1) présenter et commenter - à l’écrit ou oralement - le contenu
d’un ou plusieurs articles de presse ; 2) argumenter et défendre leur
point de vue, à l’écrit (dans une argumentation) comme à l’oral (lors de
débats) ; 3) présenter un film français à la classe ; 4) 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 : I- La notion de grammaire et de
linguistique, II- La morphologie flexionnelle et dérivationnelle, III- Le
morpHEME et le lexème, IV- Les parties du discours et les catégories de
mots, V- La phrase simple, VI- Les subordonnées de la phrase
complexes, VII- La phrase verbale, VIII- Les voix, IX- Les modes, X- Les
valeurs temporelles, XI- L’aspect. Les étudiants sauront 1) déterminer la
nature et la fonction des différentes parties du discours. Ils auront 2)
maîtrisé la structure et les règles qui régissent le syntagme verbal et le
syntagme nominal ; 3) 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
Compétence et expression écrites et orales. 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.). Plus précisément :
I- Présentation du résumé, II- Méthodologie de lecture des textes
(révision), III- Repérage des idées essentielles et des articulations
logiques du texte, IV- Les articulateurs logiques (révision), V- les
techniques de réduction, VI- Le compte rendu, VIII- La synthèse. Les
étudiants sauront, grâce à des exercices progressifs, 1) repérer
l’organisation du texte - son système d’énonciation, ses champs
lexicaux, ses articulations logiques - ; 2) en sélectionner les idées
essentielles, 3) les reformuler sous une forme synthétique, 4) en les
articulant à l’aide de connecteurs logiques. Ils restituieront 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 De la grammaire à la linguistique I, ce cours est
consacré 1) à l’étude des phrases plus complexes ; 2) aux définitions et
aux principes fondamentaux de la syntaxe appliquée du français ; 3) à
la connaissance des différentes approches en syntaxe du français :
notionnelle, fonctionnelle et distributionnelle. Plus précisément : I-
L’approche notionnelle et la révision des natures et des fonctions des
eléments de la phrase complexe, II- Les éléments subordonnés au nom,
III- Les éléments subordonnés au verbe, IV- Approche fonctionnaliste,
V- Approche distributionnaliste. Une bonne maîtrise des concepts
abordés dans le cours de Grammaire à la linguistique I est nécessaire.
Les étudiants sauront 1) reconnaître les natures et les fonctions de la
grammaire traditionnelle ; 2) analyser des phrases complexes ;
3) analyser une phrase selon des points de vue syntaxiques différents :
approches notionnelles, fonctionnelles et distributionnelles.

GAL 272 Français universitaire I

Ce cours donne aux étudiants l’occasion de consolider les savoirs
acquis dans le cours De la grammaire à la linguistique II. Il s’organise
autour de deux axes : 1) le renforcement des structures morpho-
syntaxiques déjà acquises et 2) l’introduction d’autres structures plus
complexes. Plus précisément, il vise : I- à utiliser des connaissances
linguistiques en morphologie et en syntaxe ; II- à développer la capacité
de produire des phrases grammaticalement correctes et bien formées ;
III - à sensibiliser l’apprenant aux nuances de la syntaxe (en particulier
l’ordre des mots, les constructions verbales, le choix des prépositions).
Les étudiants auront appris 1) à perfectionner leurs connaissances des
codes orthographique et grammatical ; 2) à passer de la syntaxe de la
phrase à la construction du sens ; et 3) 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 Techniques
d’expression III 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 : 1) la
rédaction du paragraphe ; 2) de l’introduction ; 3) des transitions et 4)
de la conclusion du commentaire composé et de la dissertation. Les
étudiants maîtriseront 1) l’expression de la cause/de la conséquence ;
2) du but ; 3) 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 :
I- Introduction à la lecture méthodique, II- Discours oral vs discours
écrit, les niveaux de langage, III- L’énonciation, IV- Les paroles
rapportées, V- Le lexique, VI- L’implicite, VII- La phrase, VIII- Les figures
style, IX- Les types de discours, X- Les registres des textes. Les
étudiants sauront, grâce à des exercices progressifs ; 1) expliquer le
sens global d’un texte ; 2) analyser un texte à travers l’étude
méthodique des éléments essentiels de la structure de celui-ci ;
3) organiser, en une production écrite, les conclusions de l’analyse de
texte. Ils découvriront en outre, grâce à l’analyse d’extraits, des écrits et auteurs français parmi les plus célèbres des XVIIIe, XIXe et XXe siècles.

**GAL 275 Techniques d’expression III**


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

**GAL 108 Introduction à la linguistique**

I- Introduction : le langage et les langues, II- De l’écriture à la linguistique, III- La linguistique est une science : définition, objet d’étude, en quoi est-ce une science ? IV- Langue, langage, parole, V- Norme et usage, VI- La communication, VII- Les signes (notamment le signe linguistique : signifié, signifiant, référent), VIII- 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**


**GAL 200 Morphosyntaxe**

I- Morphologie, syntaxe, morphosyntaxe, II- Rappels : Parties du discours, classes de mots et de morphèmes, axe paradigmatique, axe syntagmatique, III- Unités d’analyse morphosyntaxique, IV- Critères de définition des parties du discours, V- Constituants immédiats et analyse générative des phrases et syntagmes (structures arborescentes), VI- Groupe nominal : nom (genre et nombre) et déterminants, VII- Groupe verbal : temps et aspect. Les étudiants sauront : 1) identifier la nature des mots dans un texte ; 2) identifier la fonction des mots dans un texte ; 3) analyser un mot en morphèmes ; 4) analyser une phrase ou un syntagme en utilisant des structures arborescentes ; 5) utiliser des connaissances grammaticales au regard d’exemples réels et analyser un corpus donné à partir d’une consigne de nature morphosyntaxique ; 6) lire des extraits de grammaires de référence et les discuter de façon critique.

**GAL 201 Syntaxe**

I- Grammaticalité/Acceptabilité, Énoncé/Enonciation, Syntagme/Paradigme, II- Opérations dans l’analyse syntaxique (Commutation, Éfacement, Insertion, Déplacement, Permutation), III- Analyse en constituants immédiats, IV- Modalités de la phrase, V- Juxtaposition, Coordination, Corrélation, VI- Subordination. Le cours s’appuie sur des notions acquises dans le cours de Morphosyntaxe. Les étudiants maîtriseront des notions fondamentales en syntaxe (grammaticalité, acceptabilité, énoncé, enonciation, etc.). Ils sauront faire une analyse syntaxique de la phrase 1) selon le modèle de la théorie distributionnaliste et 2) en constituants immédiats. Ils sauront enfin maîtriser les problèmes syntaxiques relatifs à la subordination.

**GAL 300 Lexicologie - Lexicographie**

I- Communication ; Sens ; Signe linguistique, II- Lexicologie : Types de dictionnaires ; La définition dans les dictionnaires de langue, III- Les
analyses du sens lexical : analyse sémique ou componentielle, Prototypes et stéréotypes, IV- Relations sémantiques : hyperonymie et hyponymie, synonymie, antonymie, co-hyponymie, V- Polysemie et homonymie, métaphore, métonymie, synécdoque, VI- Formations des mots. Les étudiants maîtriseront les concepts élémentaires de la sémantique lexicale. Ils sauront 1) définir les différents types de dictionnaires et les différents types de définitions ; 2) expliquer les procédés de formation des mots.

GAL 301 Sociolinguistique
I- Les notions de langue et usage ; II- Les notions de norme endogène et de norme exogène ; de variables, de variétés et de variations ; III- L’enquête sociolinguistique: objectifs, outils, méthodologie ; IV- La variation géographique (langue, dialecte, géolecte, topolecte, parler et patois), V- L’exemple d’un topolecte particulier ; VI- La notion de sociolecte (prestige latent et prestige apparent), la notion de sexolect ; VII- Les situations de contact des langues ; les notions de diglossie, de bilinguisme, VIII- Les notions de créole, de pidgin et de sabir ; IX- Aspects du système linguistique d’un créole francophone ; X- La planification linguistique et son importance politique dans la francophonie.

GAL 302 Analyse linguistique du texte
I- La notion d’analyse du texte (analyse textuelle), II- Les notions de texte et de discours, III- La textualité, IV- De la phrase au texte (les rapports à l’intérieur de la phrase et en dehors de la phrase), V- La cohésion (entre autres, le phénomène de l’anaphore), VI- La cohérence, VII- La progression de l’information : thème et rhème, VIII- Types de progression thématicque. Une bonne maîtrise des concepts abordés dans les cours de linguistique et de grammaire de première et deuxième année est nécessaire. Les étudiants sauront que 1) les catégories grammaticales ne sont pas les mêmes que les catégories textuelles ; 2) des problèmes grammaticaux ‘traditionnels’ peuvent être abordés sous un éclairage nouveau ; 3) la mise en texte requiert des compétences particulières ; 4) l’organisation cohérente d’un texte relève à la fois des 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
I- Rappels : Notions abordées dans les cours de Phonétique, II- Phonétique articulatoire, 2e niveau, III- Phonétique combinatoire, IV- Interprétation phonologique de données, V- Initiation à la théorie phonologique via trois modèles : structuraliste, générativiste, métrique. Les étudiants connaîtront les bases élémentaires de la phonétique articulatoire, de la phonétique combinatoire (notamment le phénomène d’assimilation) et des phénomènes prosodiques. Les étudiants sauront décrire les articulations 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 trois modèles théoriques présentés dans le cours.

GAL 310 Langue, Histoire et Société
I- Les familles de langues du monde, le groupe indo-européen, II- La formation de la Romania et de l’Europe, III- Notions de substrat et de superstrat, IV- Principes et lois de phonétique historique, V- Applications de ces lois aux voyelles : tri- et di-phtongaison, nasalisation, VI- Application de ces lois aux consonnes : affrication et vocalisation, VII- Évolution morphologique du syntagme nominal, VIII- Historique de l’orthographe, IX- Tradition lexicographique. Une bonne maîtrise des concepts des cours de linguistique de deuxième et troisième année sont nécessaires. Les étudiants sauront 1) reconnaître les changements qui ont affecté les différents domaines du système de la langue française ; 2) expliquer des évolutions phonologiques précises telles que la palatalisation d’une consonne ou la nasalisation d’une voyelle ; 3) expliquer des exemples d’évolution morphosyntaxique qu’a subie le latin vulgaire pour aboutir au français moderne ; 4) 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 ; 5) 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 Xe 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**

I- 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 ; II- L'entre-deux-guerres : Les conséquences de la guerre ; La crise des années 30 ; Conditions de vie ; Vie intellectuelle et culturelle ; III- Depuis la seconde guerre mondiale : La France dans la seconde guerre mondiale ; La IVe 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, Podiébrad, Camoës, 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 Age au XXe 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 à) 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 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 existentialiste, 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 narratifs ; 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, l'inconstance, la fuite, le déguisement, la mort et la fugitivité de la vie. Souligner l'importance du lien entre baroque et catholicité (Chédozeau) et montrer 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 (époée, 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 ; mettre en évidence quelques topoï littéraires persistant jusqu’à nos jours ; 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 XVIIIe 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 examinées les avatars du « genre » romanesque, qui naît avec l’ascension de la bourgeoisie : ouvre l’étude de son extrême variété (romans picaresques, d’apprentissage, social, de mœurs, érotiques, exotiques, etc.) sont examinées ses différentes formes (l’épistolaire, autobiographies fictives ou réelles, récits d’apprentissage rétrospectifs, discours dialogués). Les Lumières engendrent aussi la démythification 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’interculturalité, 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 ; mettre en question l’« objectivité » des divisions entre les littératures nationales et les genres littéraires, mais aussi entre 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 XXe 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, écocritique, 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 XXe 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 :
I- des séances d’observation de classe, suivies de rapports individuels et de discussions collectives, II- une prestation d’enseignement dans une classe d’accueil, qui donnera lieu à une évaluation critique personnalisée (2 crédits 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. Ricœur, 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 des 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.).

CURSUS : METHODOLOGIE ET RECHERCHE

GAL 160 Introduction aux outils de la recherche

A partir d’un cadre théorique général, seront mises en pratique, sous la forme d’une série de séminaires complémentaires, les compétences informatiques visées. Plus précisément : 1) la maîtrise des outils de documentation et de saisie ; 2) l’exploitation, le traitement et la présentation des données recueillies. Ce cours prépare donc à toutes les activités de recherche demandées durant les trois premières années du cursus, son niveau plus avancé étant constitué par le cours de Méthodologie de la recherche dispensé en quatrième année. Le cours d’Introduction aux outils de la recherche a pour objectif de fournir aux étudiants, et en français, le bagage technique nécessaire à leur parcours universitaire en sciences humaines, de manière à ce qu’ils soient capables : a) d’effectuer une recherche bibliographique simple ; b) de manipuler correctement un logiciel de traitement de texte ; c) de maîtriser les autres outils bureautiques, et d) de connaître les règles de base de la navigation internaute.

GAL 372 Méthodologie de la recherche

Le cours se décline autour de trois axes : Théorie, heuristique, technique. Théorie : l’heuristique positive ; l’heuristique négative ; les méthodes aveugles ; les schémas heuristiques ; la sérendipité ; le corpus en tant qu’objet heuristique. Heuristique : chercher au hasard ; chercher par essai/erreur ; chercher faux, trouver juste ; la recherche aléatoire ; la recherche systématique ; la RDI (Recherche Documentaire Informatisée). Technique : définir le sujet/établir un corpus ; vérifier l’état de la recherche ; définir l’approche théorique et critique ; la bibliographie, la note, la citation et leurs diverses normes ; la réalisation matérielle du mémoire. Le cours de vise le développement de l’aptitude à la recherche, puisque le chercheur doit être en mesure de gérer une démarche à la fois épistémologique, théorique, morphologique et technique. Une réflexion critique accompagne la recherche.

GAL 472 Mémoire de Maîtrise

L’obtention de la Maîtrise de Langue et Littérature françaises est subordonnée à la rédaction d’un mémoire court de maîtrise. Le sujet du mémoire est choisi en accord avec le directeur ou la directrice responsable de cette recherche. Sa longueur est comprise entre 20 et 30 pages, bibliographie incluse. Le cours a pour objectif d’apprendre à l’étudiant la gestion d’un premier travail rédactionnel de recherche qui concilie état de la recherche, respect impératif des délais fixés, des normes de présentation d’un mémoire, de la qualité et de la pertinence de la recherche documentaire, de la clarté de l’argumentation et la déontologie scientifique.
COURSES IN GERMAN STUDIES

GAL 100 Deutsch im Dialog
This advanced language class, designed for students with a command of German on threshold or vantage level, aims to strengthen the ability of oral communication. Both listening comprehension as well as spoken production will be practised and enforced by combining traditional classroom instruction with sessions in the language laboratory and instructional technology (blended learning). Students will learn how to interact and to 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) to grasp the inherent logical structure of texts, c) to make statements and comments about speeches and dialogues, d) to draw conclusions, e) to summarize and analyze the content of discussions, and f) to put forward and to defend arguments of their own. The class is taught in German.

GAL 101 Deutsch für Philologen
This advanced language class, designed for students with a command of German on threshold or vantage level, focuses on more elaborate vocabulary (including scientific terminology), sophisticated syntax and reading comprehension. Using authentic sample texts from various disciplines within the humanities (archaeology, philology, history, philosophy, art history), students will practice their ability to scan, to summarize and to analyze academic publications written in German. Students will be introduced to the methods of academic research and the standards of scholarly writing in German (bibliography, footnotes, textual editing). The class has a dual object: On the one hand it seeks to help students understand the more demanding, scholarly texts in their respective discipline; on the other hand it prepares the ground for an optional Erasmus-semester or postgraduate studies at a university in a German-speaking country. The class is taught in German.

GAL 220 German–Greek Relations in the 18th and 19th Centuries
(Deutsch-griechische Beziehungen im 18. und 19. Jahrhundert)
The class will introduce students to the multiple historical and cultural links between Germany and the hellenic world in the 18th and 19th centuries. Taking the first novel in modern European literature set in Cyprus (Fortunatus, 1509) as a starting point, the class will initially focus on German philologists like Melanchthon, then highlight the influence of hellenism during German classicism in literature (Goethe, Schiller, Hölderlin et al.) and the arts (Winckelmann), discuss the perspective of German travellers visiting the Ottoman Empire (especially Cyprus), point out the important role of Vienna as a publishing place for Greek books in the second half of the 18th century, discuss the contribution and participation of German philhellenes during the Greek war of independence and finally analyse the reign of King Otto. The class is taught in English.

GAL 221 German Film/Films on Germany
(Deutscher Film / Filme über Deutschland)
This interdisciplinary class has a dual focus: On the one hand it serves as an introduction to film-studies in general (how to read a film), and on the other hand it explores selected topics of German history (World War II, division and reunification of Berlin) and literature. Screenings will include films by not only German directors (Lubitsch, Lang, Wilder et al.) but also by foreign directors (Visconti, Hitchcock, Welles et al.), thereby covering various aspects of European cinema (movements and theories). The class is taught in English.
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### COURSES IN GERMAN STUDIES (5 ECTS)

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CHAIRPERSON
Niyazi M. Kızılıyrek

VICE CHAIRPERSON
Ioannis Theocharides

PROFESSOR
Martin Strohmeier

ASSOCIATE PROFESSORS
Matthias Kappler
Niyazi M. Kızılıyrek
Thomas A. Sinclair
Ioannis Theocharides

ASSISTANT PROFESSOR
Börte Sagaster

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 emphasize one of the two directions: a) History and Politics or b) Linguistics and Literature.

The courses are divided into: Core Courses and Directions.

I. CORE COURSES

A) LANGUAGE COURSES

The aim of the language courses is to teach the Turkish language to a satisfactory standard, in other words, in such a way that students can converse in Turkish, can translate from Turkish to Greek and vice versa, and, above all, can read with facility 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).

B) GENERAL INTRODUCTORY COURSES

These provide concise coverage of the fundamental subjects in the main field (Turkish Studies). Students study the causes and circumstances of the rise and spread of the Muslim religion as well as the appearance of the Ottomans, the formation and subsequent decomposition of the Ottoman Empire, the formation of the Turkish State and its history up to the present. The course in Ottoman and Turkish Literature is intended to give students an overview of the most important literary works and authors (7 courses, totaling 43 ECTS).

II. DIRECTIONS

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 4 Compulsory courses in each Direction, totaling 28 ECTS, and 7 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 3 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 3 (15 ECTS).

The Department has the discretion to recognize as a restricted elective 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 Electives courses is limited to 2. The undergraduate dissertation is considered a restricted elective which counts for 12 ECTS, 6 in each of two semesters.

DEGREE REQUIREMENTS

To obtain the B.A. Degree in Turkish and Middle Eastern Studies students must amass 240 ECTS which are divided as follows:
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 lesson 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.

The course is taught 6 hours a week.

TUM 102 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.

The course is taught 6 hours a week.

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 familiarize students with the spectrum of Turkish Studies including historical, literary and religious topics and the historical development of the discipline. Participants will become
TUM 121 INTRODUCTION TO ISLAM
This course examines the origins and development of Islam and familiarizes 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 III
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 familiarize students with the translation of Turkish texts of advanced level.

TUM 220 INTRODUCTION TO TURKISH LINGUISTICS
In this class the basic elements and the current theories of Turkish linguistics are taught. 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 to acquire 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-i Funun literature), on the transition to more purely Turkish styles (Genç Kalemler and Millî Edebiyatı), on Köy Edebiyatı (in the 1950's), and on the 1940'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 THE 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 origin 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 analyze 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 specialized 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 310 TRANSLATION GREEK-TURKISH
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 familiarization 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 writing in the original. The course aims to give students basic skills in the use of sources and in the interpretation of literary texts. The course includes the study of the traditional themes of Divan Literature, the study and the adjustment of the rhetorical forms and images, the basic technical moulds (measure, rhyme) as well as the reading of Ottoman prose writing samples.

TUM 350 THEMES IN THE HISTORY OF THE OTTOMAN EMPIRE
(Direction History-Political Science)
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
In this course, the basic characteristics of specialized vocabularies in Turkish are taught. Examples are legal language and the language of economics. The teaching of specialized legal language begins with an introduction to the legal system of the Turkish Republic. Texts of different legal specialities are read (civil, constitutional and criminal law) as well as judicial decisions. In connection with the language of economics, the specialized 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 specialized 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. Specialized 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 IN THE 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 Mongolian states (those of Turkistan, the Golden Horde, etc.) are introduced. The course continues with the Russian expansion into Central Asia (16th century onwards), the Russian sovereignty over the Turkic peoples of Central Asia, and the Turkic republics of Central Asia both during the Soviet period and after the collapse of the Soviet Union. A particular aspect of the subject is chosen for study in depth by means of selected texts.

RESTRICTED ELECTIVES

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 familiarize 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 familiarize 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-i Fünun), parts of the work of the main authors (i.e., Ahmed Midhat, Namik Kemal for the Tanzimat, Halid Ziya Uşakligil, Mehmed Rauf for the Servet-i Fünun) will be read and analyzed.

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 class.

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 CYPROT 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 CYPROT AND GREEK CYPROT 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 CYPROT FOLK LITERATURE
In this course, various forms of Turkish Cypriot folk literature are presented and analyzed: proverbs, riddles, songs, folk 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 CYPROT 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 Turcophone 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, Turk, 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 KARAMANLIDIKI
An introduction to the history of the Turkish-speaking Greek populations of Asia Minor and to their literature ("Karamanlidak" 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 Turkoology (a branch of General Turkoology): 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 teaching of 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 which 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 DIPLOMATICS**

Paleography: Materials and writing tools, external characteristics of the documents, script, particularities of the various types of script. 

**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 westernization and modernization 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 Ataturk’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**

This 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
During 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 and 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 modernization 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 centralization 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 modernization, 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: 1) from the beginning of the Ottoman period in Cyprus and 2) 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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<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>ECTS</th>
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<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td>TUM 100 Grammar and Syntax I (6 hours) (C)</td>
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<td>TUM 106 Language Exercises I</td>
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<td>TUM 120 Introduction to Turkish Studies (IG)</td>
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<td>TUM 350 Themes in the History of the Ottoman Empire (CD)</td>
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<td>TUM 380 History of the Islamic Middle East (CD)</td>
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<td>TUM 450 Themes in the History and Politics of Turkey (CD)</td>
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**Note:**

*C* = Compulsory language course

*(IG)* = Compulsory introductory-general course

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# ANALYTICAL PROGRAMME OF STUDIES - LINGUISTICS AND LITERATURE

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## Restricted Electives

### 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 Literature 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 Turcology

### 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
- TUM 445 The History of Education in the Ottoman Empire and Republican Turkey
- TUM 450 Contemporary Turkish Historiography
- TUM 451 History of the Press in the Ottoman Empire and Modern Turkey
- TUM 452 The Emergence and Development of Turkish Nationalism
- TUM 453 Islam in Contemporary Turkey
- TUM 454 Greek-Turkish Relations
- TUM 455 Contemporary Diplomatic History of Turkey
- TUM 456 Turkey and the European Union
- TUM 457 Political Thought in Contemporary Turkey
- TUM 458 Political Parties in Contemporary Turkey
- TUM 459 The Role of the Military in Modern Turkey
- TUM 460 Ottoman Sources for the History of Cyprus
- TUM 461 Cyprus during Ottoman Rule
- TUM 462 History of the Turkish Cypriot Community
- TUM 463 Communal Relations in Cyprus
- TUM 470 Islamic Reform Movements
- TUM 471 The Arab East under Ottoman Rule
- TUM 472 Contemporary Ideas and Movements in the Middle East
- TUM 473 Kurds in the Middle East
- TUM 476 The Armenians under Turkish Rule
- TUM 477 History of the Balkan Peoples
- TUM 478 Modern Central Asia

### 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
The Language Centre
DIRECTOR
Jack Burston

TEACHING STAFF
Elias Argyrou
Maria - Gabriella Arru
Nephie Christodoulides
Bernadette Horton - Savvides
Shaunna Ioannidou
Christina Matzi - Azais
Thierry Petitpas
Stefan Schlaefli
Helen Stavrou
Eleni Varvaloukas - Ioannou
Birgit Ziartidou
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 hours).

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 five courses in English, five in French Language Studies and three or four courses each for Italian, Spanish and German Language Studies. In addition, there are three courses each for Turkish and Russian. Some of the courses offered may be taken as University electives. All syllabuses are aligned with the Common European Framework for foreign languages.

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 B2 (Vantage) level of the Common European Framework for language learning.

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.

LAN 101 Academic English
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.
Prerequisite: LAN 100 or equivalent

LAN 104 English for Technical Purposes
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 200 General Topics in Academic English
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.
Prerequisite: LAN 101 or equivalent

LAN 201 Business Communication for Management
The course aims at helping 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 content have been designed to focus on communication-related topics and issues critical to Management students.

FRENCH LANGUAGE COURSES
The French language courses, structured in accordance with the proficiency levels of the Common European Framework of reference for language learning, 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
By the end of the course, 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 semester, students are expected to function at the A1 (Breakthrough) level of the CEF.
Prerequisite: LAN 105 or equivalent

LAN 107 French - Intermediate level I
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 semester, students should be able to function at the A2 (Waystage) level of the CEF.
Prerequisite: LAN 106 or equivalent

LAN 109 French - Intermediate level II
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 semester, students are expected to be well on their way to the B1 (Threshold) level of the CEF.
Prerequisite: LAN 107 or equivalent

LAN 110 French for Specific Purposes
This course meets the needs of students specializing in classical studies who need to learn a foreign language for use in their specific research field. It is also designed for students preparing for postgraduate studies in a French-speaking university.
Prerequisite: LAN 106 or equivalent

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 language learning (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 and writing, enabling them to understand and use simple language based on a limited sentence structure and familiar vocabulary related to areas of immediate relevance (personal background, cafés, countries/languages, housing, daily routine, etc.).

LAN 071 German - Beginner II
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, health, sports, etc.) By the end of the semester, students are expected to function at the A1 (Breakthrough) level of the CEF.
Prerequisite: LAN 070 or equivalent

LAN 072 German - Intermediate level I
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 travelling/mobility, spare time, employment, media, etc.) By the end of the semester, students are expected to function at the A2 (Waystage) level of the CEF.
Prerequisite: LAN 071 or equivalent

LAN 073 German - Intermediate level II
This course will introduce more complex syntax and texts. Students will learn how to communicate and interact independently in a variety of situations. Subjects and sample texts will require advanced reading and writing skills. By the end of the semester, students are expected to be well on their way to the B1 (Threshold) level of the CEF.
Prerequisite: LAN 072 or equivalent

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. Audiovisual materials and e-learning facilities will be used during the
The programme of Spanish at the Language Centre is correlated 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.

By the end of the course, students can describe experiences and events, dreams, hopes and ambitions, related to areas of most immediate relevance. 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 2nd semester, students are expected to reach the B1 (Breakthrough) level of the CEF.

Prerequisite: For LAN 075, LAN 076 or equivalent

**LAN 076 Italian - Beginner Level II**

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 semester, students are expected to function at the A1 (Breakthrough) level of the CEF.

By the end of the semester, students are expected to be able to function at the A2 (Waystage) level of the CEF.

Prerequisite: LAN 075 or equivalent

**LAN 077 Italian - Intermediate Level I**

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

By the end of the course, students can describe experiences and events, dreams, hopes and ambitions, related to areas of most immediate relevance. 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 2nd semester, students are expected to reach the B1 (Threshold) level of the CEF.

Prerequisite: LAN 076 or equivalent

**LAN 078 Italian - Intermediate Level II**

The general aim of the course is for students to understand and to 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 A2 (Waystage) level of the CEF.

Prerequisite: LAN 077 or equivalent

**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 at the Language Centre is correlated with proficiency levels of the Common European Framework:

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**

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 2nd semester, students are expected to reach the A1 (Breakthrough) level of the CEF.

Prerequisite: For LAN 085, LAN 086 or equivalent

**LAN 087 Spanish - Intermediate level I**

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 semester, students are expected to reach the A2 (Waystage) level of the CEF.

Prerequisite: LAN 086 or equivalent

**LAN 088 Spanish - Intermediate level II**

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 semester, students are expected to be well on their way to the B1 (Threshold) level of the CEF.

Prerequisite: LAN 087 or equivalent

**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 Description**

**LAN 050 Turkish - Beginner Level I**

This elementary Turkish course 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 I
This 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.
Prerequisite: LAN 050 or equivalent

LAN 052 Turkish - Intermediate level I
This 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.
Prerequisite: LAN 051 or equivalent

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 for language learning and teaching at a level equivalent to A1 (Breakthrough).

Course Descriptions
LAN 090 Russian - Beginner level I
This is 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
This 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.
Prerequisite: LAN 090 or equivalent

LAN 092 Russian - Intermediate level I
This 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 semester, students are expected to function at a level equivalent to A1 (Breakthrough) of the CEF.
Prerequisite: LAN 091 or equivalent
Department of Biological Sciences
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PROFESSORS
Constantinos Deltas
Andreas Constantinou

ASSOCIATE PROFESSOR
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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 at the University of Cyprus aims to provide high quality training through its programs of study and research in line with international trends in the Biological Sciences. The Department accepted its first graduate students in September 2003 and will accept undergraduate students for the first time 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 be employed in research labs, allied health labs, science education, government agencies, etc. The undergraduate Biology programme first establishes a broad background in basic science and biological principles which then allows as much flexibility as possible during the junior and senior years of study.

DESCRIPTION OF COURSES
BIO 111 Introductory Molecular Biology
The major goal of this course is to provide students with basic academic tools needed in the Department’s undergraduate programme of study. 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.

BIO 102 Integrative Biology of Organisms
This course provides an integrative and functional approach to plant and animal biology in an evolutionary context, emphasizing common attributes of whole organisms and their solutions to problems imposed by the physical environment. Topics to be covered include development and organization of body plans, gas exchange, transport and excretion, information processing, support and locomotion, and the acquisition of energy sources.

BIO 141 Research in Biological Sciences
In this series of lectures, students will present their research and discuss their respective general research areas. In addition, students will be taught how to make literature searches and will be introduced to the major biological resources on the Internet, e.g., databases, online tools, search engines.
BIO 211 Cell Biology
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
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

BIO 222 Biochemistry II

BIO 241-242 Laboratory Methods and Techniques I-II
Lectures and Laboratory work. Application of experimental techniques in biochemistry, cell and developmental biology. Emphasizes integrating factual knowledge with understanding the design of experiments and data analysis to prepare the students for research projects. Development of skills critical for writing about scientific findings in modern biology. Instruction and practice in written communication provided.

Current techniques used in biomedical research. These 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
This 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, biomineralogy, biosensors, biofuels, biodegradable
plastics, waste and water treatment and biocatalysis are also discussed
in this course.

**BIO 311 Introductory Neuroscience**

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**

This course provides an introduction to the multidisciplinary field of
Bioinformatics. The major goal is to demonstrate through Lectures and
Laboratory work how Bioinformatics has revolutionized 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**

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**

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
elicitation of developmental mechanisms. The last part will concern
selected topics in mammalian organogenesis (mice and humans).

**BIO 371 Biology of Microorganisms**

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**

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**

Practical training can be used to substitute 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 will have to be approved by the
academic advisor in advance. Students who fail to secure a position in a
lab 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
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 Electives
BIO 401 Evolutionary Biology: Form, Function, and Evolution
This 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, coevolution, life-history evolution, and principles of classification.

BIO 402 Ecology: Populations, Communities, and Ecosystems
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
This course begins with a brief introduction to the physical, chemical, and geological processes that affect the major features of the ocean. Such 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
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
The course covers similar topics as BIO311 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 behavior, 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 Behavior
A review of the behavior of animals under natural conditions, with emphasis on both mechanistic and evolutionary approaches. Topics include classical ethology; behavioral endocrinology; behavioral genetics; learning and memory; communication; orientation, migration and biological rhythms; optimization 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
This 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
Scientific principles of human nutrition. Emphasis on nutrients, metabolism and factors affecting utilization 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
This course covers the fundamental rules of behavior 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.
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 Visualization. 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**
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**
An introduction to basic problems in developmental biology by direct experimentation. Both classical and modern molecular manipulations of developing embryos are performed to study cell specification, differentiation, organ formation, and embryonic induction. Various aspects of pattern formation are analyzed, including the establishment of polarity and body axes, making use of frogs, mice, and fish.

**BIO 462 Molecular Embryology**
This lecture course is a study of embryology with emphasis on the fundamental developmental processes shared by vertebrate embryos. Topics include gametogenesis, fertilization, 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**
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 these in class.

**BIO 471 Immunology**
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**
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**
Examines the comparative anatomical and physiological study of representatives from the various animal phyla, emphasizing 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**
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.
## Analytical Programme of Studies

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<tr>
<th>Semester</th>
<th>Course Title</th>
<th>ECTS</th>
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<td><strong>1st Semester</strong></td>
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<td>BIO 111 Introductory Molecular Biology</td>
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<td>PHY 131 General Physics I</td>
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<td>MAS 001 Mathematics I</td>
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<td>BIO 102 Integrative Biology of Organisms</td>
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<td>PHY 132 General Physics II</td>
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<td>BIO 371 Biology of Microorganisms</td>
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<td>BIO 331 Principles and Methods of Bioinformatics I</td>
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<td>BIO 361 Introduction to Developmental Biology</td>
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<td>BIO 381 Physiology of plants and animals</td>
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<td>BIO 311 Introductory Neuroscience</td>
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**Elective**: 5 ECTS
**Total**: 30 ECTS

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<td>BIO 441 Practical Training**</td>
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<td>BIO 491 Undergraduate Thesis I</td>
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</table>

Notes:

- Students must take a minimum of three (3) Electives. These must be from at least two faculties of the University and are selected in consultation with the academic advisor. Students must take two 4XX Departmental Elective Courses and two Electives during the fourth year.

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

The Biology course codes are designated as follows:

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

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

3rd Digit: Differentiates the courses within a given Subject

## ECTS Workload Distribution

<table>
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<tr>
<th>Semester</th>
<th>TOTAL ECTS</th>
<th>FROM THE DEPT. OF BIOLOGY</th>
<th>OTHER DEPT.</th>
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<td><strong>240</strong></td>
<td><strong>158</strong></td>
<td><strong>82</strong></td>
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Department of Chemistry
CHAIRPERSON
Epameinondas Leontidis

VICE CHAIRPERSON
Charis R. Theocharis

PROFESSORS
Costas S. Patrickios
Charis R. Theocharis

ASSOCIATE PROFESSORS
Angelos M. Efstatiou
Anastasios D. Keramidas
Epameinondas Leontidis
Athanasios Nicolaides

ASSISTANT PROFESSORS
Panagiotis A. Koutentis
Ioannis Pashalidis

LECTURERS
Nikos E. Chronakis
Sophia C. Hayes
Constantina P. Kapnissi-Christodoulou
Eftychia Pinakoulaki
Anastasios I. Tasiopoulos
CHEMISTRY AT THE UNIVERSITY OF CYPRUS

The Chemistry Section at the University of Cyprus was established in 1992 within the Department of Physical Sciences (Section of Chemistry). The first undergraduate students of Chemistry were accepted in September 1994 and graduated with a B.Sc. in Chemistry in June 1998. The Chemistry Section became an independent Department in February 2000.

WHAT IS CHEMISTRY

Chemistry is one of the basic natural sciences and its main objective is the study of the transformation of matter from one chemical form to others. Various synthetic and analytical methods have been developed to reach this objective. Synthetic techniques lead to the production of new chemical compounds through appropriate chemical reactions, while appropriate analytical techniques identify the structure and composition of these compounds in a given chemical system. Chemistry has given to humanity and to modern civilization new forms of energy, new types of fuels, and new materials such as synthetic fibers, plastics and many others. Chemistry investigates and tries to understand the molecular mechanisms of life and of complex chemical reactions in biological systems, targeting the development of new pharmaceuticals and biomimetic model compounds. In addition, Chemistry studies the pollution of the environment and develops new de-pollution technologies. It also contributes to the development of new renewable “green” sources of energy (e.g., catalytic conversion of biomass into hydrogen for use in fuel cells for electricity production).

OBJECTIVES OF THE DEPARTMENT OF CHEMISTRY

The main objectives of the Department are the promotion of scientific knowledge and research in chemistry that will result in highly trained and skilled graduates. Chemistry graduates can be employed by local industry (mainly chemical industry, plastics, pharmaceuticals, food, drinks, construction materials and cosmetics), hi-tech private companies, the public sector and education, supporting the technological advancement of Cyprus. Due to the accession of Cyprus to the European Union, the need for better control of the quality of food, environmental pollution, radioactive materials and chemicals has opened new employment positions for chemists. The new governmental policy establishing technologically advanced industrial units has further increased the market demand for chemists. To satisfy the urgent demand for a rapidly restructured technology in Cyprus, the Department has created an undergraduate programme that is fully compatible with European standards and which produces scientists who are well trained and able to meet the current and future challenges in Chemistry.

UNDERGRADUATE PROGRAMME

The programme is based on the new 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, including: analytical, inorganic, organic and physical chemistry (3rd - 6th semester), and (c) special courses in advanced concepts and current topics of chemistry (7th and 8th semester). To graduate with a degree in Chemistry, students must acquire a total of 240 ECTS units. The undergraduate programme includes 30 mandatory courses (6-7 ECTS each) and 4 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 (7 laboratory courses of 6-7 ECTS each), which are regarded as independent courses. Chemistry elective courses are taken in the 4th year of the programme. The Chemistry degree requires four elective courses (20 ECTS total) taken from other departments of the University and 10 ECTS in a foreign language. All courses include a final exam. However, the final grade is calculated based on the student’s performance in the final exams, homework, intermediate exam, literature projects and laboratory reports. There are no prerequisite
courses, but in a series of related courses (e.g., Inorganic Chemistry I, II and III) level I must precede level II, etc.
The Diploma thesis (12 ECTS) is an important feature of the undergraduate programme. During the 4th year of studies, each student works for two semesters under the supervision of a member of the academic staff, studying one of the individual projects proposed. During the course of their Diploma work, students learn how to work independently, solve laboratory problems on a daily basis, search, study and analyze 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 refer to an original research topic, students usually work on original research related to the research interests of their supervisors.

Along with the basic Chemistry undergraduate programme, the Department offers a minor degree in Chemistry to students of other departments.

DESCRIPTION OF COURSES

CHE 110 Analytical Chemistry Laboratory | (6 ECTS)
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:
1) wet chemistry techniques of qualitative analysis, 2) classical chromatographic techniques (separation of species by paper and thin layer chromatography, and column ion exchange chromatography), 3) gravimetry, 4) volumetry (acid-base, complexometric, argentometric and redox titrations) and 5) the determination of nitrogen by Kjedahl.

CHE 111 Analytical Chemistry I | (6 ECTS)

CHE 121 Introductory Chemistry | (6 ECTS)
1. Atom (Hydrogen atom, atomic orbitals, polyelectronic atoms, electronic configuration, periodic table, atom size, ionization energy, electron affinity, oxidation state, charge).
3. Thermodynamics (Free energy, enthalpy, entropy, equilibrium, stoichiometry, definitions of mole, pressure, volume, temperature and concentration, solution, chemical kinetics, activation parameters).
4. Chemical reactions (acid base theories, chemical reactions, energy, basicity-acidity, nucleophilicity-electrophilicity, potential definition, Nerst equation, redox reactions).
5. Applications (Descriptive chemistry of the elements, H2SO4, NH3, Industrial applications, Environment).

CHE 122 Inorganic Chemistry I | (6 ECTS)
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 ionic materials. Systematic chemistry of the elements of groups IA, IIA, IIB, IVB and VIIB. Transition metal elements. Theory of the structure of complexes.

CHE 130 Organic Chemistry Laboratory | (6 ECTS)

CHE 131 Organic Chemistry I | (6 ECTS)
Fundamental concepts (atomic structure, chemical bonds, hybridization, 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 | (6 ECTS)
Temperature dependence of the viscosity of liquids. Phase diagram, liquification and critical point. Use of molecular dynamics to study the states of matter. Study of Stirling cycle. Thermochemistry at constant volume and constant pressure. Chemical equilibria of complexes and indicators. Chemical Kinetics:
(a) Study of a chemical reaction using volumetric determination of the product.
(b) Study of a hydrolysis reaction using spectroscopic determination of the reactant.
(c) Study of a saponification reaction using conductivity measurements.
(d) Study of self-catalyzed and oscillating reactions.
CHE 141 Physical Chemistry I (6 ECTS)

CHE 210 Analytical Chemistry Laboratory II (7 ECTS)
Performance of quantitative analysis experiments by means of classical methods / techniques of analysis such as gravimetry and volumetric titrations (acid/base, redox, complexometric and precipitation titrations and instrumental methods/techniques of analysis such as gas and liquid chromatography, UV-Vis Photometry, atomic spectroscopy (Flame Photometry and Flame-AAS), electrochemical methods (potentiometry, conductivity). The experiments are performed by two different methods (classical and instrumental) and the corresponding data are statistically evaluated and compared.

CHE 221 Inorganic Chemistry II (6 ECTS)
5. Acid-Base Chemistry (Brosted-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).

CHE 230 Organic Chemistry Laboratory II (7 ECTS)
Risk Evaluation: R and S risk and safety codes; COSHH compliance. Unknown Identification: purification; spectroscopic analysis and identification; Laboratory Techniques: azototropic distillation use of Dean-Stark apparatus, 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.

CHE 231 Organic Chemistry II (6 ECTS)
Carbonyl Chemistry: carbonyl character; nucleophilic addition to aldehydes and ketones; chemistry of acetal and ketals; reaction of amino compounds with aldehydes and ketones; reaction of nucleophiles with carboxylic acids and esters; enols and enolates; enol alkylation; Aldol condensations and related reactions. Aromatic Chemistry: character and structure of benzene; reactions of arenes; common electrophilic reactions; orientation of electrophilic reactions; nucleophilic aromatic substitution; aromatic compounds; polycyclic compounds. Pericyclic Chemistry: cycloaddition reactions; Woodward-Hoffman rules; electrocyclic reactions; sigmatropic rearrangements.

CHE 241 Quantum Chemistry (6 ECTS)
and anti-bonding orbitals, H2+, homonuclear and heteronuclear diatomic molecules. Polyatomic molecules, hybridization states and connection to molecular geometry. Hückel Theory.


CHE 242 Physical Chemistry II (6 ECTS)

CHE 311 Analytical Chemistry II (6 ECTS)

CHE 320 Inorganic Chemistry Laboratory (7 ECTS)
1. Main group chemistry. Synthesis and characterization of chlorotribenzyltin(IV) and tris(propyl)borate.
2. Vanadium Chemistry: Oxidation states, complexes, oxo and non-oxo vanadium molecules. Synthesis and characterization of bis(acetylacetonato)vanadyl(IV) and tris(catecholate) anadium(IV) dis(triethylammonium).
3. Cobalt Chemistry: Synthesis, structure and kinetic stability. Synthesis and characterization of tris(ethyldiamino)cobalt(III)chloride \[\text{[(-Co(en)}]_3\text{Cl}_2\text{H}_2\text{O}}\] and \[\text{[(+Co(en)}]_3\text{Cl}_2\text{H}_2\text{O}}\]
5. Nickel Chemistry: Structure of Nickel complexes, electronic states. Synthesis and characterization of bis(hydrate)bis(acetylactonate)nickel(II), H_2Salen and \([\text{Ni(salen)}]_2\).
6. Reactivity of cobalt complexes, metal complexes as catalysts. Synthesis and characterization of \([\text{Co(phen)}_3\text{Br}_2\], [\text{Co(phen)}_3\text{]}(\text{BF}_4)_2\), \([\text{Co(phen)}_3\text{]}(\text{quin})_3\] and 1,10-phenanthroline-5,6-quinone (quin).

Characterization of the compounds involves:
a) 'H, 'C, 'Sn, 'B NMR spectroscopy 1, 3, 5, 6, 7
b) UV-Vis spectroscopy 2, 3, 4, 5, 6
c) IR spectroscopy 2, 4, 5, 6, 7
d) Magnetic Measurments 2, 4, 5
e) Cyclic Voltammetry 2, 5
f) Polarometry 3
g) Conductivity 3, 6
h) Melting point 1, 7

CHE 321 Inorganic Chemistry III (6 ECTS)
2. Structure (Structure and isomerism of metalorganic molecules with coordination number 1-12, enantiomeric complexes, chelate ring isomerism, experimental distinction of enantiomers, CD spectroscopy, chelate effect, macrocyclic ligands, crown ethers, selective binding, template synthesis, catenates).
3. Reactions, Kinetics and mechanisms (Substitution reactions of square planar compounds, Trans effect, Substitution reactions of octahedral complexes, effect of crystal field stabilization 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).
4. 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).
5. Multinuclear molecules, metal-metal bonds (Organometallic clusters, multiple metal-metal bond, structure and reactivity of the metal-metal bond, Zintl salts, polyoxometalates-heteropolyoxometalates, NMR spectroscopy and electrochemistry of polyoxometalates, Supermolecular inorganic chemistry, spectroscopy of supermolecular systems).

CHE 331 Organic Chemistry III (6 ECTS)
Heterocyclic Chemistry: synthesis and chemistry of 5 - 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 cyclopropane, cyclobutane, cyclopentane, cyclohexane, cycloheptane and medium ring synthesis.

**CHE 340 Physical Chemistry Laboratory II (7 ECTS)**


**CHE 341 Physical Chemistry III (6 ECTS)**


**CHE 401 Chemistry Diploma Thesis I (3 ECTS)**

The Diploma Thesis work is mandatory for the bachelor degree in Chemistry. In the first part of diploma thesis work the student begins 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”. 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)**

This course is a continuation of CHE 401. In this part the student continues to obtain his/her experimental data, and discusses and presents the data in diagrams, figures and tables.

**CHE 403 Chemistry Diploma Thesis Writing (3 ECTS)**

This course is a continuation of CHE 402, at the end of which the student writes a report on his/her Diploma Thesis work. In addition, the student gives an oral presentation before an Examination Committee about his/her work and must successfully answer questions about his work.

**CHE 411 Food Chemistry (6 ECTS)**


**CHE 412 Environmental Chemistry (5 ECTS)**


**CHE 413 Specific Topics in Qualitative and Quantitative Analysis (5 ECTS)**


**CHE 414 Metallic Ions in Biological Systems, Environment and Health (5 ECTS)**

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 421 Advanced Inorganic Chemistry (Organometallic Chemistry) (5 ECTS)**

1. General Introduction on Organometallic Chemistry (Definition, Historical Background, Basic Principles in Organometallic Chemistry, Molecular Orbital Theory and the 18-Electron Rule, Counting Electrons in Complexes, π-Bonding, the Most Important Applications of Organometallic Compounds).

2. 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
Alkyne Complexes, Allyl Complexes, Pentadienyl Complexes, Metalloccenes, Arene Complexes, Substitution Reactions, Oxidative Addition, Reductive Elimination, Insertion and Elimination, Nucleophilic and Electrophilic Attack of Coordinated Ligands).


CHE 422 Surface Chemistry (5 ECTS)

CHE 423 Bioinorganic Chemistry (5 ECTS)
1. 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, Tetrapyrrrole Ligands and Other Macrocycles, Nucleobases - Nucleotides and Nucleic Acids (RNA, DNA) as Ligands).
2. The Most Important Biological Functions of Metal Ions (Metalloporphyrins and Respiration, Dioxoygen Binding, Transport and Utilization, Binding of Dioxoygen to Myoglobin, Physiology of Myoglobin and Hemoglobin, Structure and Function of Hemoglobin, Other Biological Dioxorugn Carriers, Photosynthesis, Chlorophyll and the Photosynthetic Reaction Center, Enzymes, Structure and Function, Inhibition and Poisoning, Vitamin B12 and the B12 Coenzymes, Nitrogen Fixation).
4. 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 431 Biochemistry I (6 ECTS)

CHE 432 Biochemistry II (6 ECTS)

CHE 433 Organic Photochemistry (5 ECTS)

CHE 434 Biochemical and Molecular Techniques (5 ECTS)
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), Realtime 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, coimmunoprecipitation, 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 analyzed.

CHE 435 Retrosynthetic Analysis in Organic Chemistry (5 ECTS)
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)
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
CHE 437 Introduction to Computational Chemistry (5 ECTS)

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 optimization, IR spectrum prediction and visualization of eigenvectors, computation of thermochemical properties, 3-D modeling of molecules and visualization of molecular orbitals. An introduction to qualitative theoretical models for relating experimental data with computed quantities is also provided.

CHE 440 Chemical Technology Laboratory (6 ECTS)

Analysis of continuous industrial distillation process: Theory - Lab exercise.

Chemical reactors (plug flow and continuous stirred tank reactors): Theory - Applications - Lab exercise.

Desalination process of water: Theory of reverse osmosis - Lab exercise.

CHE 441 Chemical Technology (6 ECTS)

Mass balances under steady-state and non-steady-state conditions.


Process analysis of sulphuric acid production.

Process analysis of cement production.

CHE 442 Special Topics in Physical Chemistry (5 ECTS)


CHE 443 Polymer Chemistry (5 ECTS)


CHE 445 Catalysis (5 ECTS)

Concepts and terms describing the catalytic phenomenon and the causes of its origin.

Concepts and terms related to the texture and structure of supported metal catalysts. Basic concepts related to the chemical adsorption and desorption processes associated with a solid surface - Temperature-programmed desorption techniques.

Preparation and characterization methods of supported catalysts.

Environmental catalysis: Modern de-pollution technologies (air and water pollution). Mechanisms of heterogeneous catalytic reactions.

CHE 446 Special Topics in Molecular Spectroscopy (5 ECTS)

Introduction to Lasers: Operation, Q-switching, mode-locking, examples of lasers, Raman Spectroscopy: Basic theory: origin of Raman spectra, selection rules, depolarization 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.

## Programme of Study

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
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<tbody>
<tr>
<td><strong>First Year</strong></td>
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<tr>
<td><strong>FALL SEMESTER</strong></td>
<td>MAS 014</td>
<td>Introductory Mathematics I</td>
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<td>PHY 102</td>
<td>Physics for Chemists</td>
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<tr>
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<td>CHE 110</td>
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<td>CHE 111</td>
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<td>Introductory Chemistry</td>
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<td>Introduction to Computer Science</td>
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<td>CHE 141</td>
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<td>CHE 210</td>
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<td>CHE 241</td>
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<td>CHE 230</td>
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<td>CHE 242</td>
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<td>Organic Chemistry III</td>
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<td>CHE 340</td>
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<td>CHE 320</td>
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<td>CHE 321</td>
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<td>CHE 441</td>
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<td>CHE 440</td>
<td>Chemical Technology Laboratory</td>
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## Chemistry Electives

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<tr>
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<tr>
<td>CHE 412</td>
<td>Environmental Chemistry</td>
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<tr>
<td>CHE 413</td>
<td>Specific Topics in Qualitative and Quantitative Analysis</td>
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<tr>
<td>CHE 414</td>
<td>Metallic Ions in Biological Systems, Environment and Health</td>
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<tr>
<td>CHE 421</td>
<td>Advanced Inorganic Chemistry (Organometallic Chemistry)</td>
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<tr>
<td>CHE 422</td>
<td>Surface Chemistry</td>
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<td>CHE 423</td>
<td>Bioinorganic Chemistry</td>
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<td>CHE 433</td>
<td>Organic Photochemistry</td>
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<tr>
<td>CHE 434</td>
<td>Biochemical and Molecular Techniques</td>
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<td>CHE 435</td>
<td>Retrosynthetic Analysis in Organic Chemistry</td>
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<td>CHE 436</td>
<td>Introduction to Medicinal Chemistry</td>
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<tr>
<td>CHE 437</td>
<td>Introduction to Computational Chemistry</td>
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<td>CHE 442</td>
<td>Special Topics in Physical Chemistry</td>
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<td>CHE 443</td>
<td>Polymer Chemistry</td>
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<tr>
<td>CHE 445</td>
<td>Catalysis</td>
</tr>
<tr>
<td>CHE 446</td>
<td>Special Topics in Molecular Spectroscopy</td>
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Department of Computer Science
CHAIRPERSON
George A. Papadopoulos

VICE CHAIRPERSON
Constantinos S. Pattichis

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

ASSOCIATE PROFESSORS
Yiorgos Chrysanthou
Marios D. Dikaiakos
Yannis Dimopoulos
Constantinos S. Pattichis
Andreas Pitsillides

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

LECTURERS
Chryssis Georgiou
Vasos Vassiliou
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:

(i) to participate in international research in Computer Science;
(ii) to disseminate, through its teaching and international activities, knowledge relating to all aspects of Computer Science; and
(iii) 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.

UNDERGRADUATE PROGRAMME

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 courses which form its “core,” restricted elective courses which are offered by the Department and allow the student 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. Almost all courses offered by the Department in the first six semesters are compulsory, while the last two semesters include a large number of restricted elective courses in several areas of Computer Science. Students are assisted by their academic advisors in choosing advanced electives in accordance with their particular interests and career objectives. Advanced electives can be freely combined to suit individual strengths and inclinations.

In addition, students must successfully complete three courses in the English language.

It is anticipated that in the future the Department will collaborate with other departments and faculties of the University in offering interdisciplinary programmes.

During the final year each student undertakes an individual diploma project, called Undergraduate Thesis Project, under the supervision of a member of the academic staff in accordance with regulations approved by the Departmental Board.

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 areas: 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 themes: 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

Compulsory Courses

CS 111 DISCRETE STRUCTURES IN COMPUTER SCIENCE AND COMPUTATION (6 ECTS)

CS 121 DIGITAL SYSTEMS (8 ECTS)

CS 131 PROGRAMMING PRINCIPLES I (7 ECTS)
Presentation of the software development process and introduction to the basic principles of programming and program 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 (9 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 preprocessor. 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 (8 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 (8 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 ECTS)

CS 231 DATA STRUCTURES AND ALGORITHMS (8 ECTS)

CS 233 OBJECT-ORIENTED PROGRAMMING (8 ECTS)
CS 241 SYSTEMS ANALYSIS AND DESIGN (8 ECTS)
Study of the theory and the methodologies which have been developed
ever the years in the area of systems, with the objective to introduce
techniques and methodologies for systems analysis and design of
Information Systems. Special attention to the study of 'Information
Society' and its effect in system development and maintenance.

CS 323 THEORY AND PRACTICE OF COMPILERS (8 ECTS)
Fundamental principles of compiler design. Relation of translators to
formal languages and automata theory. Lexical, syntactic and semantic
analysis, code generation and optimization, etc. Practical exercises
using lex and yacc.

CS 324 COMMUNICATIONS AND NETWORKS (8 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 (8 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.

CS 344 SOFTWARE ENGINEERING (7 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 modeling data and procedures.

CS 345 SOFTWARE ENGINEERING GROUP PROJECT (8 ECTS)
Small student groups (4-5 students each) will undertake and carry out
to completion a significant software project covering all phases in the
development of software. Some of the specific projects come from the
industrial sector.

Restricted Electives

CS 411 SEMANTICS OF PROGRAMMING LANGUAGES (7 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 420 HIGH-SPEED MULTIMEDIA AND MULTISERVICE NETWORKS (7 ECTS)
Introduction to computer networks and the Internet. The IPV6 Internet
Performance analysis. Multimedia networking applications. Real-time
services and protocols. Quality of Service (QoS). QoS routing. MPLS.
computer networks.

CS 421 COMPUTER ARCHITECTURE (7 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 422 MULTIMEDIA, HYPERMEDIA AND CYBERSPACE (7 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 ECTS)
Microprocessor organization and Assembly language programming.
Design of microprocessor based systems. Memory. Input/Output.
Interrupts. Bus interfacing.

CS 424 DIGITAL SIGNAL PROCESSING (7 ECTS)
Discrete signals and systems. Sampling of signals. Frequency analysis
of discrete systems and signals. z-transform, Fourier-transform,
Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT).
Digital filters. Application examples.

CS 425 INTERNET TECHNOLOGIES (7 ECTS)
Topics of Internet and World-Wide Web technologies, with an
emphasis on WWW applications and Internet Programming. The
foundations of WWW applications including hypertext, navigation in
hyperspace, hypertext usability, information overload, markup
languages and methodologies of WWW application design. System
issues related to Internet programming and performance: protocols,
servers, WWW interactivity, Internet-based distributed systems.

CS 426 COMPUTER GRAPHICS (7 ECTS)
Scene construction, scene hierarchies, camera specification, projections
of primitives, clipping, visible surface determination, polygon
rasterization (z-buffer), texture mapping, local and global illumination,
shadows, ray tracing, radiosity, real-time acceleration techniques.

CS 427 PARALLEL PROCESSING: ARCHITECTURES AND LANGUAGES
(7 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: (1) Automatic-parallelizing compilers, (2)
Extending serial languages with parallelizing constructs,
(3) Parallel languages for Functional Programming. Special emphasis on
parallel architectures and parallel programming.

CS 428 SYSTEM PROGRAMMING (7 ECTS)
Basic concepts of system programming. Shell programming (ksh/csh/
bsh). Use of utilities (awk, sed, perl) and graphical tools (TCL/TK). Files
and file-systems. Processes, threads and process synchronization.
Network programming (socket programming) and the Client-Server

CS 431 SYNTHESIS OF PARALLEL ALGORITHMS (7 ECTS)

CS 432 DISTRIBUTED ALGORITHMS (7 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, synchronization, 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 433 CONSTRAINT PROGRAMMING AND SATISFACTION (7 ECTS)

CS 434 LOGIC PROGRAMMING AND ARTIFICIAL INTELLIGENCE (7 ECTS)
Basic principles of logic programming and implementation using the Prolog language. Relation of logic programming to modern considerations regarding Artificial Intelligence. Solving application problems drawn from the fields of Artificial Intelligence and databases, making use of logic programming and constraint logic programming.

CS 435 HUMAN/COMPUTER INTERACTION (7 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 436 ALGORITHMS AND COMPLEXITY (7 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. Randomized algorithms. Approximation algorithms. Online algorithms. Lower bounds. Fast Fourier Transform. Advanced topics (such as sorting networks, cryptographic algorithms).

CS 441 ADVANCED TOPICS IN SOFTWARE ENGINEERING (7 ECTS)

CS 442 COMPUTATIONAL LEARNING SYSTEMS (7 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 ECTS)
Artificial Intelligence from the perspective of problem solving through search and the use of heuristics, knowledge representation and reasoning. Basic concepts, predicate logic, associative networks, frames, production rules. Information Systems that represent expert knowledge as a main application area of techniques of Artificial Intelligence. "Embodiment" of specialized 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 ECTS)

CS 445 DIGITAL IMAGE PROCESSING (7 ECTS)

CS 446 ADVANCED DATABASES (7 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 optimization. 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 ARTIFICIAL INTELLIGENCE (7 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 448 INTELLIGENT AGENTS AND MULTI-AGENT SYSTEMS (7 ECTS)
Introduction to Distributed Artificial Intelligence (DAI). Intelligent Agents (basic concepts, applications). Software Agents (main types, applications). Agent Societies. Distributed Programming of Actions. Formalisms in DAI: representation and reasoning based on Logic. Industrial and practical applications of DAI.

CS 449 E-BUSINESS / E-COMMERCE (7 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 450 COMPUTATIONAL BIOLOGY (7 ECTS)

Courses for other Departments

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 programs. 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 programs. Mastering 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 (8 ECTS)
# Programme of Studies

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<td><strong>3rd Semester</strong>&lt;br&gt;CS 202&lt;br&gt;CS 221&lt;br&gt;CS 231&lt;br&gt;MAS 055&lt;br&gt;LAN 200</td>
<td><strong>5th Semester</strong>&lt;br&gt;CS 324&lt;br&gt;CS 342&lt;br&gt;CS 344&lt;br&gt;One Restricted Elective</td>
<td><strong>6th Semester</strong>&lt;br&gt;CS 323&lt;br&gt;CS 345&lt;br&gt;Two Restricted Electives</td>
<td><strong>7th Semester</strong>&lt;br&gt;CS 400 Diploma Project I&lt;br&gt;Two Restricted Electives&lt;br&gt;Two Electives</td>
<td><strong>8th Semester</strong>&lt;br&gt;CS 401 Diploma Project II&lt;br&gt;Two Restricted Electives&lt;br&gt;One Elective</td>
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<td><strong>2nd Semester</strong>&lt;br&gt;CS 121&lt;br&gt;CS 132&lt;br&gt;MAS 016&lt;br&gt;LAN 101</td>
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<td><strong>4th Year</strong>&lt;br&gt;</td>
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<tr>
<td><strong>2nd Year</strong>&lt;br&gt;</td>
<td></td>
<td><strong>4th Semester</strong>&lt;br&gt;CS 211&lt;br&gt;CS 222&lt;br&gt;CS 233&lt;br&gt;CS 241</td>
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</table>

<table>
<thead>
<tr>
<th>Restricted Choices</th>
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<tr>
<td>CS 411&lt;br&gt;CS 420&lt;br&gt;CS 421&lt;br&gt;CS 422&lt;br&gt;CS 423&lt;br&gt;CS 424&lt;br&gt;CS 425&lt;br&gt;CS 426&lt;br&gt;CS 427&lt;br&gt;CS 428&lt;br&gt;CS 431&lt;br&gt;CS 432&lt;br&gt;CS 433&lt;br&gt;CS 434&lt;br&gt;CS 435&lt;br&gt;CS 436&lt;br&gt;CS 441&lt;br&gt;CS 442&lt;br&gt;CS 443&lt;br&gt;CS 444&lt;br&gt;CS 445&lt;br&gt;CS 446&lt;br&gt;CS 447&lt;br&gt;CS 448&lt;br&gt;CS 449&lt;br&gt;CS 450</td>
</tr>
</tbody>
</table>
Department of Mathematics and Statistics


**CHAIRPERSON**
Yiorgos-Sokratis Smyrlis

**VICE CHAIRPERSON**
George Kyriazis

**PROFESSORS**
Georgios Alexopoulos
Tasos Christofides
Pantelis Damianou
Georgios Georgiou
Andreas Karageorghis
Nicolas Papamichael
Efstathios Paparoditis

**ASSOCIATE PROFESSORS**
Konstantinos Fokianos
Alexandros Karagrigoriou
Stamatis Koumandos
George Kyriazis
Christos Pallikaros
Theofanis Sapatinas
Yiorgos-Sokratis Smyrlis
Christodoulos Sophocleous
Nikos Stylianopoulos
Alekos Vidras

**ASSISTANT PROFESSORS**
Evangelia Samiou
Nikos Tziolas
Filia Vonta
Christos Xenophonitos
AIMS

The famous Platonic inscription "μηδεὶς συγκεκριμένος είσιτο" ("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. The primary goal of the Department is the promotion, through scientific research and teaching, of the Mathematical Sciences.

The achievement of this goal is inextricably linked with the need to produce well-trained scientists who will contribute to the continuation of the cultural and economic progress of Cyprus. Because of the pivotal role of Mathematics and Statistics in Science, it is necessary to create a department of high calibre.

Following modern trends, the University of Cyprus encourages joint degree programmes between the Department of Mathematics and Statistics and other Departments (e.g., Computer Science, Economics) that offer various career possibilities. The ambition of the Department is to become a recognized research and teaching centre. Taking into consideration the high standards of secondary education in Cyprus, this should be regarded as an obligation.

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, which started in September 1992, was designed in such a way so as to be naturally extended into a graduate one, which was designed at a later stage and started in September 1997.

During its first years of operation the Department prepared the programme of studies and established a seminar series in Mathematics and Statistics. The Department works towards the development of a modern and fully equipped library and collaborates with other sectors of the University to develop the necessary institutional and technical (especially in electronic equipment) infrastructure.

PROGRAMME OF STUDIES

The programme of studies contains the list of courses, the description of most courses, the regulations for obtaining the degrees in Mathematics and Mathematics and Statistics, and the requirements for the minor in Mathematics.

The Department’s objective is to offer an up-to-date and realistic programme leading to degrees whose standards are equivalent to those of well-established universities. The programme has been designed so that it can be easily adapted to future needs.

COURSES

The curriculum courses are divided into four levels and six groups. The level 101-199 corresponds mainly to courses of the first year of studies. The level 201-299 corresponds mainly to courses of the second year of studies. The levels 301-399 and 401-499 are defined accordingly. The level 001-099 corresponds to service courses 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 to which the course belongs. The characteristic digit (second digit of course number) of the six areas are 0 & 1, 2, 3, 5 & 6, 7 and 8, respectively.

Classes meet for four hours per week, one of which may be a recitation class. Each class corresponds to a number of credit units – ECTS.

DEGREE REQUIREMENTS

The following are required for the degree in Mathematics or Mathematics and Statistics:

1) 17 compulsory courses for all students, including the following 15:

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 - Probability I
MAS 262 - Statistics I
MAS 271 - Numerical Analysis I
MAS 301 - Real Analysis
MAS 302 - Complex Analysis I
MAS 331 - Classical Differential Geometry
as well as 2 courses from the following 3:
MAS 303 - Partial Differential Equations
MAS 304 - Functional Analysis
MAS 371 - Numerical Analysis II.

2) 9 courses that are related to different areas of concentration (Pure Mathematics, Applied Mathematics and Statistics). For the degree in Mathematics, one of these courses is PHY 111 General Physics I. Some of these courses are "free electives" within the department.

3) The course CS 031 Introduction to Programming.

4) 25 ECTS (5 courses of 5 ECTS each) must be electives from other departments.

5) The student is required to take two foreign language courses (any language).

At most two electives within the Department may be substituted, in exceptional cases and during the last year of studies, by graduate courses. Only one of these two courses may be a seminar, and in this case, a grade average of at least 8.5 is required in the departmental courses as well as the approval of the instructor and the academic advisor.

Two of the electives from other departments may be substituted by MAS 007 History of Mathematics (5 ECTS) and MAS 499 Independent Study (7 ECTS). In this case, the electives from other departments are reduced accordingly.

Students can complete their studies with more than 240 ECTS depending on the elective courses, within and outside the Department, that they choose to take.

Typical 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 A, B and C, respectively.

MINOR PROGRAMME OF STUDIES
The minor in Mathematics requires the successful completion of eight courses which must include the courses MAS 101, MAS 102, MAS 121, MAS 131, MAS 261 or MAS 262, MAS 271, MAS 007 and an additional course of 7 ECTS.

ADDITIONAL INFORMATION
The Department offers a sufficient number of courses to allow for the completion of the requirements for obtaining the degree in Mathematics or in Mathematics and Statistics in eight semesters with regular attendance. Regular attendance is considered to be the successful completion of an average of three courses in the Department of Mathematics and Statistics and one course offered by other departments, per semester. It should be noted that the students of the Department, after the completion of their studies, receive only one of the degrees offered by the Department.

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’Hospital’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 202 Multivariate Integral Calculus (8 ECTS)

MAS 203 Ordinary Differential Equations (8 ECTS)

MAS 211 Multivariate Differential Calculus (8 ECTS)
Spaces with norm (examples, n-dimensional Euclidean space, equivalent norms, Cauchy – Schwarz inequality).

MAS 222 Number Theory (7 ECTS)

MAS 261 Probability (8 ECTS)
Probability, random variables, distribution functions, independence, expected value, moment generating functions, modes of convergence of sequences of random variables, laws of large numbers, introduction to central limit theorems.

MAS 262 Statistics (8 ECTS)

MAS 271 Numerical Analysis (8 ECTS)

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 ℓ^p, 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 351 Probability II (8 ECTS)
Multivariate distributions, distribution of functions of random variables, conditional expected value and covariance, order statistics, distributions related to the normal distribution, characteristic functions, modes of convergence of a sequence of random variables, laws of large numbers, central limit theorem.

MAS 352 Statistics II (7 ECTS)
Confidence intervals. Introduction to hypothesis testing problems. Neyman – Pearson Lemma, monotone likelihood ratio. Locally most powerful tests, uniformly most powerful tests. Asymptotic efficiency, uniformly most powerful unbiased tests. Likelihood ratio 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. L¹ Spaces: The basic theory, the dual of L¹, the useful inequalities, the distribution function, weak – L¹ spaces, interpolation.

MAS 402 Complex Analysis II (7 ECTS)

MAS 403 Stability of Dynamical Systems (7 ECTS)

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, Plancherd’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)
Polynomial rings, irreducible polynomials. Field extensions and splitting fields. Automorphisms and fixed fields. Normal extensions and Galois
extensions. The fundamental theorem of Galois theory. Solution by radicals.

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

**MAS 429 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 451 Linear Models I (7 ECTS)**

**MAS 452 Linear Models II (7 ECTS)**
Analysis of variance with one or more fixed-effects, Analysis of variance with one or more random-effects, Analysis of covariance, Generalized linear models: estimation in (for example) logistic or logarithmic regression, asymptotic properties.

**MAS 454 Nonparametric Statistics (7 ECTS)**

**MAS 455 Sampling Theory (7 ECTS)**

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

**MAS 458 Statistical Data Analysis (7 ECTS)**

**MAS 459 Multivariate Analysis (7 ECTS)**

**MAS 466 Survival Analysis (7 ECTS)**

**MAS 468 Topics in Probability (7 ECTS)**
Topics from probability.

**MAS 469 Topics in Statistics (7 ECTS)**
Topics from statistics.

**MAS 471 Numerical Solution of Ordinary Differential Equations (7 ECTS)**

**MAS 472 Numerical Solution of Partial Differential Equations (7 ECTS)**
First and second order hyperbolic PDEs, the method of characteristics, finite difference techniques, the finite element method. Parabolic PDEs, methods for the solution of the one- and two-dimensional heat equation. Elliptic PDEs, finite difference methods for Poisson’s equation.

**MAS 473 Finite Element Method (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 emphasizes 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 499 Independent Study (7 ECTS)
An independent study with sufficient elements of initiative and novelty under the guidance of a faculty member.

Service Courses

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 Sciences (8 ECTS)

MAS 021 Calculus I (6 ECTS)

MAS 022 Calculus II (6 ECTS)

**MAS 023 Linear Algebra and Topics in Multivariable Calculus (6 ECTS)**


**MAS 024 Ordinary Differential Equations (6 ECTS)**


**MAS 031 Calculus I (5 ECTS)**

The real number system. Sequences of real numbers, limits. Functions of a real variable; Limits of functions. Continuous functions. Differentiation and applications. Riemann integrability, the fundamental theorem of calculus. Series. Taylor’s Theorem, power series.

**MAS 032 Linear Algebra (5 ECTS)**


**MAS 033 Engineering Mathematics (5 ECTS)**


**MAS 034 Probability and Statistics for Engineers (5 ECTS)**

Probability, random variables, distributions, independence, expected value, covariance, moment generating functions, ways of convergence of sequences of random variables, laws of large numbers.

**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)**


**MAS 061 Statistical Analysis I (6 ECTS)**


**MAS 062 Statistical Analysis II (6 ECTS)**

### TABLE A: Analytical Programme of Studies - Pure Mathematics

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st Semester</strong></td>
<td>MAS 101</td>
<td>Calculus I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 131</td>
<td>Basic Mathematics</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 121</td>
<td>Linear Algebra I</td>
<td>8</td>
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<tr>
<td></td>
<td>Foreign Language I</td>
<td></td>
<td>5</td>
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<tr>
<td><strong>2nd Semester</strong></td>
<td>MAS 102</td>
<td>Calculus II</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 122</td>
<td>Linear Algebra II</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>CS 031</td>
<td>Introduction to Programming</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>MAS 191</td>
<td>Mathematics with Computers</td>
<td>8</td>
</tr>
<tr>
<td><strong>3rd Semester</strong></td>
<td>MAS 211</td>
<td>Multivariate Differential Calculus</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 261</td>
<td>Probability I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 203</td>
<td>Ordinary Differential Equations</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Foreign Language II</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td><strong>4th Semester</strong></td>
<td>MAS 202</td>
<td>Multivariate Integral Calculus</td>
<td>8</td>
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<tr>
<td></td>
<td>MAS 271</td>
<td>Numerical Analysis I</td>
<td>8</td>
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<tr>
<td></td>
<td>MAS 262</td>
<td>Statistics I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Elective (within the Department)</td>
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<td>7</td>
</tr>
<tr>
<td><strong>5th Semester</strong></td>
<td>MAS 301</td>
<td>Real Analysis</td>
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<tr>
<td></td>
<td>Elective I*</td>
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<td>7</td>
</tr>
<tr>
<td></td>
<td>MAS 321</td>
<td>Introduction to Algebra</td>
<td>7</td>
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<tr>
<td></td>
<td>PHY 111</td>
<td>General Physics I</td>
<td>8</td>
</tr>
<tr>
<td><strong>6th Semester</strong></td>
<td>MAS 302</td>
<td>Complex Analysis I</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MAS 331</td>
<td>Classical Differential Geometry</td>
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<td>Elective (within the Department)</td>
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<td>7</td>
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<tr>
<td></td>
<td>Elective (within the Department)</td>
<td></td>
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</tr>
<tr>
<td><strong>7th Semester</strong></td>
<td>MAS 433</td>
<td>Introduction to Algebraic Topology</td>
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<tr>
<td></td>
<td>Elective II* (e.g., MAS 304 Functional Analysis)</td>
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<td>7</td>
</tr>
<tr>
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<td>Elective (from other Departments)</td>
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<td>Elective (from other Departments)</td>
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<td></td>
<td>Elective (from other Departments)</td>
<td></td>
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</tr>
<tr>
<td><strong>8th Semester</strong></td>
<td>Elective (within the Department)</td>
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<td>7</td>
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<td>Elective (within the Department)</td>
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<td>Elective (within the Department)</td>
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<td>Elective (from other Departments)</td>
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<tr>
<td></td>
<td>ECTS TOTAL</td>
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<td>240</td>
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</tbody>
</table>

**NOTE:**

* Selection of at least 2 courses from the list below:

- MAS 304 Functional Analysis
- MAS 303 Partial Differential Equation
- MAS 371 Numerical Analysis II
### TABLE B: Analytical Programme of Studies - Applied Mathematics

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>Courses and Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st Semester</strong></td>
<td>29</td>
<td>MAS 101 Calculus I 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 131 Basic Mathematics 8</td>
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<tr>
<td></td>
<td></td>
<td>MAS 121 Linear Algebra I 8</td>
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<td>Foreign Language I 5</td>
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<tr>
<td><strong>2nd Semester</strong></td>
<td>31</td>
<td>MAS 102 Calculus II 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 122 Linear Algebra II 8</td>
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<tr>
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<td></td>
<td>CS 031 Introduction to Programming 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 191 Mathematics with Computers 8</td>
</tr>
<tr>
<td><strong>3rd Semester</strong></td>
<td>29</td>
<td>MAS 211 Multivariate Differential Calculus 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 261 Probability I 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 203 Ordinary Differential Equations 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Foreign Language II 5</td>
</tr>
<tr>
<td><strong>4th Semester</strong></td>
<td>31</td>
<td>MAS 202 Multivariate Integral Calculus 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 271 Numerical Analysis I 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 262 Statistics I 8</td>
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<tr>
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<td>Elective (within the Department) 7</td>
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<tr>
<td><strong>5th Semester</strong></td>
<td>30</td>
<td>MAS 301 Real Analysis 8</td>
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<tr>
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<td>MAS 303 Partial Differential Equations 7</td>
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<tr>
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<td>MAS 371 Numerical Analysis II 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHY 111 General Physics I 8</td>
</tr>
<tr>
<td><strong>6th Semester</strong></td>
<td>30</td>
<td>MAS 302 Complex Analysis I 8</td>
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<td>MAS 331 Classical Differential Geometry 8</td>
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<tr>
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<td></td>
<td>MAS ** 7</td>
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<td>Elective (within the Department) 7</td>
</tr>
<tr>
<td><strong>7th Semester</strong></td>
<td>29</td>
<td>MAS ** 7</td>
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<tr>
<td></td>
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<td>MAS 304 Functional Analysis 7</td>
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<td>Elective (from other Departments) 5</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Elective (from other Departments) 5</td>
</tr>
<tr>
<td><strong>8th Semester</strong></td>
<td>31</td>
<td>MAS ** 7</td>
</tr>
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<td></td>
<td>Elective (within the Department) 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective (within the Department) 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective (from other Departments) 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective (from other Departments) 5</td>
</tr>
<tr>
<td><strong>ECTS TOTAL</strong></td>
<td>240</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:**

MAS** = Selection of at least 3 courses from the list below:
- MAS 471 Numerical Solution of Ordinary Differential Equations
- MAS 472 Numerical Solution of Partial Differential Equations
- MAS 481 Applied Mathematical Analysis
- MAS 482 Classical Mechanics
- MAS 483 Fluid Mechanics
### TABLE C: Analytical Programme of Studies - Statistics

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st Semester</strong></td>
<td>29</td>
<td>MAS 101 Calculus I 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAS 131 Basic Mathematics 8</td>
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<td>MAS 122 Linear Algebra II 8</td>
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<tr>
<td></td>
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<td>CS 031 Introduction to Programming 7</td>
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<td>MAS 191 Mathematics with Computers 8</td>
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<td><strong>3rd Semester</strong></td>
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<td>MAS 211 Multivariate Differential Calculus 8</td>
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<td>MAS 261 Probability I 8</td>
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<td>MAS 203 Ordinary Differential Equations 8</td>
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<td>MAS (Stat) *** 7</td>
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<td>Elective (from other Departments) 5</td>
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</table>

**NOTE:**

*** MAS (Stat) = Selection from the list below:

- MAS 454 Nonparametric Statistics
- MAS 455 Sampling Theory
- MAS 456 Time Series
- MAS 458 Statistical Data Analysis
- MAS 459 Multivariate Analysis
- MAS 466 Survival Analysis
- MAS 468 Topics in Probability
- MAS 469 Topics in Statistics

* Selection of at least 2 courses from the list below:

- MAS 303 Partial Differential Equations
- MAS 304 Functional Analysis
- MAS 371 Numerical Analysis II
Department of Physics
CHAIRPERSON
Andreas Othonos

VICE CHAIRPERSON
Haralambos Panagopoulos

PROFESSORS
Constantia Alexandrou
Constantinos Christofides
Haralambos Panagopoulos
Panos Razis
Haralambos Tsertos

ASSOCIATE PROFESSORS
Konstantinos Moulopoulos
Andreas Othonos
Spiros Skourtis
Stavros Theodorakis

ASSISTANT PROFESSORS
Georghios Archontis
Photios Ptochos
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. 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 specialization.

UNDERGRADUATE DEGREE PROGRAMME

The programme consists of five types of courses:

(1) Basic or introductory courses
(2) Core courses
(3) Specialized courses
(4) Compulsory courses offered by other departments
(5) Electives (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 which a physicist has to master. On completion of these courses, the student will take a number of specialized courses. These aim to familiarize 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 Department of Foreign Languages.

Finally, the programme requires the student to take electives outside the Department to complement the main area of studies. These options are selected in consultation with the Academic Advisor.

FINAL YEAR PROJECT

The final year project has a special role to play in the undergraduate programme of the Department. Students choose to take the project works under the close supervision of a member of the academic staff of the Department, concentrating on a specialized topic, which they select from a list. 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.

To students who choose to take the project, the Department will give an official certificate signed by the Dean of the School, the Chairperson of the Department and the Project Advisor.

COURSES OFFERED TO STUDENTS OF OTHER DEPARTMENTS

The Department offers the following courses to students registered in other departments:

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

DESCRIPTION OF COURSES

PHY 011 Modern Physics for Poets

PHY 012 Physics and Applications

PHY 101 Principles of Physics

PHY 102 Physics for Chemists
Mechanics: Work, energy, momentum, torque, angular momentum, oscillations, fluid mechanics.
Electricity and Magnetism: Electric fields, potential, dipoles, polarization, dielectrics, electric oscillations, magnetism in matter, diamagnetism, paramagnetism, alternative current circuits, electromagnetic radiation, semiconductors.
Wave Motion - Optics: Interference and diffraction of light waves, polarization of light, chemical applications of polarization and of light scattering, Bragg’s law, absorption and emission spectra.

PHY 111 General Physics I

PHY 112 General Physics II

PHY 114 Physics Laboratory I

PHY 115 Physics Laboratory II


PHY 131 General Physics I: Mechanics and Waves and Thermodynamics (For the Department of Electrical and Computer Engineering)

PHY 132 General Physics II: Electricity and Electromagnetic and Optics (For the Department of Electrical and Computer Engineering)

PHY 133 Classical and Quantum Mechanics (For the Department of Electrical and Computer Engineering)

PHY 145 Computational Methods of Physics
1. Introduction: Operating system Linux/Unix, editor emacs/xemacs, plots using gnuplot, basic Fortran commands, numerical considerations.
2. Ordinary differential equations: Numerical differentiation, initial-value problems, the Euler and Verlet methods, the Runge-Kutta method, study of projectile motion, linear and non-linear harmonic motion, chaotic pendulum, solar system, Newton-Raphson method for finding roots.
3. Linear systems of equations: Basic matrix operations, diagonalization using Gauss elimination and overrelaxation methods, solution of linear system of equations, Lorenz model.
4. Data analysis: Simple distributions, least square method, likelihood methods, goodness of fit tests.
7. Chaotic dynamics: Logistic map, period doubling, Bifurcation diagrams and Feigenbaum numbers.
PHY 211 Classical Mechanics
Inertial frames of reference and generalized 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
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, Polarization, 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

PHY 221 Mathematical Methods of Physics I

PHY 222 Mathematical Methods in Physics II

PHY 225 Quantum Mechanics I

PHY 231 Electromagnetism I
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. Electromagnetic waves in matter: Polarization, the field of a polarized 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: Magnetization, the field of a magnetized 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

PHY 301 Solid State Physics
Phase Transitions, Theory of Semiconductors. Macroscopic Quantum Phenomena and Superconductivity (Ginzburg-Landau Phenomenology, Cooper pairs and BCS theory). Quantum Hall Effect (Integer and Fractional).

**PHY 302 Advanced Physics Laboratory I (Solid State Physics Experiments)**

**PHY 321 Nuclear Physics**

**PHY 322 Advanced Physics Laboratory II (Atomic and Nuclear Physics Experiments)**

**PHY 326 Quantum Mechanics II**
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**

**PHY 341 Electronics**
The objective of this course is to introduce the 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**


**PHY 347 Computational Physics**
**Chaotic behaviour of dynamical systems:** The logistic map, Period doubling, Universal behavior, Feigenbaum’s constants, the Lorenz model.

**Fractals:** Fractal dimension, Fractals and chaos, Multifractals.

**Numerical solution of partial differential equations:** Diffusion equation, Wave equation, Laplace equation, Schrödinger equation, Crank-Nicholson method, Examples of non-linear equations, Convergence criteria.

**Percolation:** Clusters, Critical exponents, Anderson localization.

**Stochastic Methods:** Monte Carlo Simulations, The Ising model.

**PHY 405 Cosmology and General Relativity**

**PHY 415 Biophysics**

**PHY 427 Atomic and Molecular Physics**
**Atomic Physics:** Angular momentum and spin. The hydrogen atom. Approximate methods for the solution of the Schrödinger equation. Atomic structure and spectra.

**Molecular Physics:** The Born-Oppenheimer approximation. The chemical bond: The H₂⁺ molecular ion, the H₂ molecule, valence-bond and molecular-orbital theories. The Hartree-Fock method. Molecular electronic structure and spectra.

**PHY 435 Theoretical Physics**
**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-Golden equation, the Dirac equation, Elements of Second Quantization.

**Scattering theory:** Green’s functions, Asymptotic states, potential scattering, phase shifts, resonances. Introduction to String Theory.
### LIST OF COURSES

**1. Basic or Introductory Courses (53.5 ECTS)**

- PHY 111 General Physics I
- PHY 112 General Physics II
- PHY 114 Physics Laboratory I
- PHY 115 Physics Laboratory II
- PHY 145 Computational Methods in Physics
- PHY 213 General Physics III
- PHY 216 Physics Laboratory III

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

- PHY 211 Classical Mechanics
- PHY 221 Mathematical Methods of Physics I
- PHY 222 Mathematical Methods of Physics II
- PHY 225 Quantum Mechanics I
- PHY 231 Electromagnetism I
- PHY 235 Electromagnetism II - Special Theory of Relativity
- PHY 326 Quantum Mechanics II
- PHY 342 Statistical Physics and Thermodynamics

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

**Students must take 10 specialized courses:**

**GROUP A**

**Students must take 2 of the following laboratory courses:**

- PHY 302 Advanced Physics Laboratory I
- PHY 322 Advanced Physics Laboratory II
- PHY 341 Electronics

**GROUP B**

**Students must take 4 of the following:**

- PHY 301 Solid State Physics
- PHY 321 Nuclear Physics

- PHY 331 Particle Physics
- PHY 347 Computational Physics
- MAS 006 Complex Analysis

**GROUP C**

**Students must choose 4 of the following:**

- PHY 405 Cosmology and General Theory of Relativity
- PHY 411 Final Year Project I
- PHY 412 Final Year Project (II)
- PHY 415 Biophysics
- PHY 427 Atomic and Molecular Physics
- PHY 435 Theoretical Physics
- PHY 445 Electronic Systems
- Any course not taken from Group A
- Any course not taken from Group B

**4. Compulsory Courses from other departments (31.5 ECTS)**

**Foreign Language**

- 2 courses

**Mathematics**

- 2 courses: MAS 004 and MAS 005*

**Chemistry**

- 1 course: CHE 121

* 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.

**5. Electives (20 ECTS)**

Students are required to complete 20 ECTS of electives outside of their main area of studies. The courses must be from two different faculties.
### Analytical Programme of Studies

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<tr>
<th>Semester</th>
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<td><strong>First Year</strong></td>
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<td>CHE 121 Introduction to Chemistry</td>
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<tr>
<td><strong>Spring Semester</strong></td>
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<td>PHY 211 Classical Mechanics</td>
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<td>PHY 225 Quantum Mechanics I</td>
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<td>PHY 326 Quantum Mechanics II</td>
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<td>PHY 342 Statistical Physics and Thermodynamics</td>
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<td>One course from Group B</td>
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<td>One course from Group C</td>
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<td><strong>Fourth Year</strong></td>
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<td>One course from Group C</td>
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<td><strong>Spring Semester</strong></td>
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<td>One course from Group C or Project II</td>
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<td>Foreign Language II</td>
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### 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
Constantinos Christou

VICE CHAIRPERSON
Mary Ioannides Koutselini

PROFESSORS
Athanasios Gagatsis
Constantinos Christou

ASSOCIATE PROFESSORS
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Constantinos Papanastasiou
Helen Phtiaka
Mary Ioannides Koutselini
Nicos Valanides
Stavros Fotiou

ASSISTANT PROFESSORS
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Demetra Pitta-Pantazi
Leonidas Kyriakides
Maria Eliophotou - Menon
Marianna Papastephanou
Niki Tsangaridou
Stavroula Tsiplakou
Zelia Gregoriou
Zacharias Zacharia

LECTURERS
Constantinos Korfiatis
Eleni Loizou
Miranda Christou
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 fulfill 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, Curriculum Development and Instruction, Mathematics Education, Natural Sciences, Pedagogical Sciences, and Methodology of Mathematics 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
Length of Studies and Areas
For a Bachelor’s Degree in Elementary School Teaching or Kindergarten School Teaching, a student must successfully complete at least 240 ECTS. The courses are divided into:

a) compulsory, with 190 ECTS (79.6%) for elementary school teachers and 170 ECTS (70.8%) for kindergarten teachers
b) electives 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 twelve courses (60 ECTS): eight compulsory courses and four departmental electives (25% of the programme of studies). Kindergarten teachers must complete fourteen courses (70 ECTS): nine compulsory and five electives (29.2% of the programme of studies).

Teaching Methodology
For elementary school teachers, courses are divided into: compulsory 40 ECTS (16.7%) and elective 10 ECTS (4.2%). For kindergarten school teachers, courses are divided into: compulsory 45 ECTS (18.8%) and elective 20 ECTS (8.3%).

Content Area Courses
For elementary school teachers, courses are: compulsory 40 ECTS (17.1%). For kindergarten school teachers, courses are divided into: compulsory 40 ECTS (17.1%) and elective 10 ECTS (4.2%).

Specialization (A and B)
Specialization is required only for the degree of elementary school teachers. Students are required to complete 30 ECTS (12.5%) (15 ECTS from specialization A and 15 ECTS from specialization B) in the fourth year of studies. Students must select two specialization areas from the following:
Specialization A: Greek Language, Mathematics, Science Education.
Specialization 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

School Experience is completed in two stages: School Experience I 10 ECTS (3.8%) is completed in the third year of studies and School Experience II 20 ECTS (8.3%) is completed in the fourth year of studies. Students are required to complete 30 ECTS in School Experience (12.5% of the programme of studies).

The specific courses for the Bachelor’s degree are presented in Tables A and B.

OTHER DEPARTMENTAL PRIORITIES

- 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 will organise 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.

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DESCRIPTION OF COURSES FOR THE DEGREES OF ELEMENTARY SCHOOL TEACHER AND KINDERGARTEN SCHOOL TEACHER

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 contextualized 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 of 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” [kryfîo scholia], the “Greek Letters” in Cyprus [ta Hellinikà Gràmmata stin Kýpro], irredentism [alitrotismós]. British colonial rule of Cyprus and educational politics: educational laws, ideological contradictions and, colonial cultural hegemony and curricula, modernization and teacher training, colonial codification, appropriation and administration of ethnic identities and institutionalization 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, minor 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 also purports to 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 individualized needs of every child. Reference is made to the multiple roles of the early childhood teacher and on his/her 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 of 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)**

This course aims at informing students about the socio-emotional aspects of the process that two people go through to become parents, the changes and problems they might face. The students will explore the social, cultural and environmental factors that affect the family, the children and the variety of their experiences. The students will 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)**

This course is an introduction to basic concepts in Sociology of Education, including the main theoretical perspectives of Structural Functionalism and Conflict Theory. More specifically, we will examine 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 will be 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, individualized instruction, reciprocal teaching, metacognitive development, and constructive learning.

**EDU 302 PRINCIPLES AND PERSPECTIVES OF EARLY CHILDHOOD EDUCATION (5 ECTS)**

An examination and analysis of the historical and political periods of Early Childhood Education is provided. The implementation of current practices and models is discussed. Developmentally appropriate programmes are examined through theory and practice considering children’s needs. An introduction to the development of the main principles that affect the current perspectives on Early Childhood Education. The students will have to analyze, 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)**

This course is an attempt to systematically examine 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 Standardized tests; Record keeping and reporting; and Portfolios. The second part is about the theory, practice, understanding and utilization 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 familiarize 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 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)**

This 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). We will focus on the importance of analyzing 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, globalization 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 ORGANISATION 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:
1. The introduction to the main concepts and theories in educational administration (e.g., organisational models, leadership models, motivation theories, etc.).
2. The critical examination of the positions associated with these theories and the evaluation of their applications to education.
3. 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.
4. The examination of the Cyprus educational system as a whole. Specifically, the following will be examined: structure of educational system, laws governing educational practice, organisational issues at the school level, etc.
5. The 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)**
This course aims at preparing perspective teachers of primary grades in the area of early literacy and 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. This course aims at helping students comprehend literacy as a developing structure and develop a reflective and well-informed philosophy about the teaching of literacy. Through this course, students come in contact with several theories regarding the nature and the development of literacy and examine methodological approaches stemming from the various theoretical perspectives. In addition, utilizing the theoretical underpinnings of the course, the course examines various aspects of literacy and proposes instructional strategies to seek to facilitate literacy learning for emergent, novice and transitional readers and writers.

**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 322 LANGUAGE ARTS METHODS (5 ECTS)**
This course aims to provide future educators with the theoretical and methodological tools to successfully teach Greek as a first language (reading, writing, discussing). This 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 synthesizing 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 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)**

**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. The 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, the students will take on different roles and experience the feelings and knowledge that one can gain through play.
The aim of this course is to offer students the necessary knowledge and readiness and appropriate attitudes for the teaching of natural sciences understanding the physical environment and its changes and employing approaches in classes (demo lessons).

History (multi-perspectivity, what does it mean to think historically, information, values and ideas, new approaches in the teaching of approaches of History. Within this framework emphasis will be placed on developing skills to use dance in kindergarten in pedagogically, harmonization of effective teaching skills with the content of physical education in elementary school.

EDU 376 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL | (5 ECTS)
Study of the content, curriculum, and effective teaching skills 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 harmonization of effective teaching skills with the content of physical education in elementary school.

EDU 377 CONTENT OF PHYSICAL EDUCATION IN PRESCHOOL EDUCATION | (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 familiarize 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 expressional 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 is aimed to familiarize students with different teaching approaches of History. Within this framework emphasis will be placed on basic steps of the teaching methodology: lesson plans, 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 sensitize preschool-age children to the interaction between man and the environment and develop their readiness and appropriate attitudes for the teaching of natural sciences at the elementary level.

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 the Natural numbers.

EDU 171 FOUNDATIONS AND FUNDAMENTAL CONCEPTS OF MATHEMATICS | (5 ECTS)
Fundamental concepts and theorems are presented and discussed in a historical context from ancient times through the middle ages. More specifically, number systems from ancient to modern, additive and place value, figural numbers, several proofs of the Pythagorean Theorem, the three famous problems of antiquity, Euclid’s Elements-axiomatic foundation of mathematics, Ptolemy’s theorem and the genesis of trigonometry, Pappus’s theorem, Diophantine equations, the development of the Hindu-Arabic numeral system, the Fibonacci sequence, the algebraic solution of cubic and 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 186 NATURAL SCIENCES IN THE ELEMENTARY SCHOOL: ENVIRONMENT AND LIVING ORGANISMS | (5 ECTS)
- Ecosystems: structure and function. Trophic relations and flow of natural elements and energy.
- Biotic patterns, taxonomy and systematics, biodiversity.
- Patterns of interaction: competition, cooperation, symbiosis, predator-prey relationships.
- Regulation of populations. Adaptive population strategies.
- Types and characteristics of Mediterranean ecosystems.
- Research methodology in ecology: models, field studies and virtual simulations of ecological processes.

EDU 187 ENVIRONMENTAL ISSUES | (5 ECTS)
- Current environmental issues: greenhouse effect, acid rain, pollution, loss of biodiversity, energy consumption, deprivation of natural resources.
- Principles, aims and methods of Environmental Education.
- Infusion 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:
1. Introduction. The concept of linguistic structure. On grammar.
2. Learning Vs acquisition.
4. Overview of the history of the Greek language.
5. The phonetic system of Greek.
6. The phonological system of Greek.
7. Morphology I: the nominal system.
8. Morphology II: the verb system.
10. Syntax II: sentence structure.
12. Vocabulary II: compounding.
13. Vocabulary III: the importance of the diachronic approach.
15. From grammar to discourse: the functional/communicative approach to grammar teaching.
16. How to approach synchronic pedagogical grammars.

EDU 252 ART IN PRESCHOOL EDUCATION (5 ECTS)
Theoretical studies emphasizing 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, emphasizing 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 487 PHYSICAL EDUCATION IN PRESCHOOL EDUCATION (5 ECTS)
Prerequisite: EDU 377
Analysis and application of current teaching methods and approaches of physical education in preschool ages. Study and application of principles of movement education, effective teaching and managerial skills, unit and lesson planning, observation of systems of instruction in preschool education. Application of ways of extending the programme of Physical Education and incorporation of elements of professionalism in the lesson. Procedures that promote the academic learning and development of positive attitudes and experiences for all children. Emphasis is given to the harmonization of effective teaching skills with the content of physical education in preschool education.

SPECIALIZATION A
Greek Language

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 423 INTRODUCTION TO LANGUAGE ACQUISITION (5 ECTS)
This course examines first language acquisition within the theoretical framework of Chomskian linguistics. Topics explored include the concept of Universal Grammar and the Principles and Parameters hypothesis, as well as the stages of first language acquisition, which are examined through an array of cross-linguistic data. The course also examines bilingual acquisition within the critical period and its implications for language teaching.

Topics:
1. Introduction. Basic concepts. Learning Vs. acquisition.
3. The acquisition of phonetics/phonology.
4. The acquisition of morphology.
5. The acquisition of syntax.
6. The acquisition of semantics.
7. The development of communicative competence.
8. Theoretical frameworks for language acquisition. The behaviourist and cognitive models.
10. Levels of representation. Movement.
11. Lexical and functional categories.
12. X’ Syntax.
15. Second language acquisition.

EDU 424 MULTILITERACIES AND MULTIMODALITIES (5 ECTS)
This 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 characterized by increasing cultural diversity at the local level but also by direct, immediate connections at the global level. This course also analyzes 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, the 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 to 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)
literacy at the primary school. The importance of experimental science teaching.

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.

SPECIALIZATION B

Special Education

EDU 466 LEARNING DISABILITIES (5 ECTS)
A specialized course which is designed for students who have already taken the introductory course EDU 311 and have chosen special/inclusive education as their specialization area. It deals with an aspect of inclusive education which is considered particularly “popular” during the last 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. The student also comes 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, behavior, disability, nationality, etc. which in the context of the existing system offer fertile ground for exclusion via labeling. 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 specialized 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 (5 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)

Music

EDU 444 ADVANCED TOPICS IN MUSIC THEORY AND PERFORMANCE (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 CREATIVE APPROACHES IN THE MUSICAL ACTIVITIES OF 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 dealing with 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 program 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 329 SCHOOL EXPERIENCE I and EDU 429 SCHOOL EXPERIENCE II
(two stages with 10 and 20 ECTS)
Field experience with the purpose of familiarizing 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 339 SCHOOL EXPERIENCE I and EDU 439 SCHOOL EXPERIENCE II
(two stages with 10 and 20 ECTS)
Field experience with the purpose of familiarizing 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 118 EDUCATION AND GENDER (5 ECTS)
This course examines the role of educational institutions in shaping and
reproducing dominant ideologies on gender and sexuality. Issues such
as the differential socialization 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 socialization. The course also examines the role
of feminist thinking in shaping research in education and shaping
current pedagogical practices.

EDU 227 OLYMPIC EDUCATION (5 ECTS)
The lesson emphasizes the principles of sport education and Olympism
as a practical philosophy, and studies ways of application. The aim of
the lesson 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. Familiarization 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 Para-Olympic 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 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

<table>
<thead>
<tr>
<th>Area of Studies</th>
<th>Comp. Depar.</th>
<th>Gen. ECTS</th>
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<td><strong>FIRST AREA: PEDAGOGICAL SCIENCES</strong></td>
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<tr>
<td>Compulsory Courses (40 ECTS)</td>
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</tr>
<tr>
<td>EDU 101 Introduction to Pedagogical Sciences</td>
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<tr>
<td>EDU 138 Educational Technology</td>
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<tr>
<td>EDU 204 Methodology of Educational Research</td>
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<td>EDU 218 Sociology of Education I</td>
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<tr>
<td>EDU 220 Theory and Practice of Teaching</td>
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<td>EDU 304 Educational Evaluation</td>
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<td>EDU 311 Introduction to Inclusive Education</td>
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<td>PSY 101 Developmental Psychology I</td>
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<td>EDU 214 Health Education</td>
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<td>EDU 318 Sociology of Education II</td>
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<td>EDU 403 Comparative Education</td>
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<td>EDU 404 Curriculum Development</td>
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<td>EDU 412 Organization and Administration of the Educational System</td>
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<td>PSY 302 Cognitive Development and Educational Applications</td>
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<td>EDU 363 Music Education in Primary School</td>
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<td>EDU 391 English Language Instruction</td>
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<tr>
<td><strong>PROGRAMME TOTAL</strong></td>
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</table>

**Third Area: Content Area Studies**

**Compulsory Courses (40 ECTS)**

**Greek Language**

- EDU 422 Greek Language Instruction: Physical and Chemical Phenomena and Changes | 5 |
- EDU 423 Introduction to First Language Acquisition | 5 |
- EDU 424 Multiliteracies and Multimodalities | 5 |

**Mathematics**

- EDU 471 Special Issues in Mathematics Education | 5 |
- EDU 472 Integration of Modern Technology in the Teaching of Mathematics | 5 |
- EDU 473 Didactics of Mathematics II | 5 |

**Science Education**

- EDU 477 Computer Science Applications in the Teaching of Science in Elementary School | 5 |
- EDU 486 Modern Trends in Science Teaching at the Primary School | 5 |
- EDU 488 Current Educational Dimensions of Biology | 5 |

**Specialization A (Selection of one area) (15 ECTS)**

- Special Education
  - EDU 466 Learning Disabilities | 5 |
  - EDU 467 Differences and Exclusion | 5 |
- **Art**
  - EDU 451 Art, Environment and Culture in Education | 5 |

**Compulsory Courses (40 ECTS)**

- CS 002 Introduction to Computer Science | 5 |
- MAS 051 Statistical Methods | 5 |
- BMG 090 Greek Literature | 5 |
- BMG 093 Greek Language | 5 |
- EDU 171 Foundations and Fundamental Concepts of Mathematics I | 5 |
- EDU 186 Natural Sciences in the Elementary School: Environmental and Living Organism | 5 |
- EDU 187 Environmental Issues | 5 |
- EDU 188 Experimental Study of Natural Sciences at the Primary Level | 5 |
- EDU 226 Greek Language Instruction: the Structure of Greek | 5 |
- EDU 271 Foundations and Fundamental Concepts of Mathematics II | 5 |
- EDU 272 Topics from Modern Mathematics | 5 |
- EDU 286 Natural Sciences in the Elementary School: Physical and Chemical Phenomena and Changes | 5 |

**Specialization B (Selection of one area) (15 ECTS)**

- **Special Education**
  - EDU 466 Learning Disabilities | 5 |
  - EDU 467 Differences and Exclusion | 5 |
- **Art**
  - EDU 451 Art, Environment and Culture in Education | 5 |

**School Experience**

- EDU 329 School Experience I | 10 |
- EDU 429 School Experience II | 20 |

**Total ECTS**

- **30**

**Programme Total**

- **240**

**Seminar - Senior Thesis**

- EDU 490 Seminar-Senior Thesis I | 10 |
- EDU 491 Seminar-Senior Thesis II | 20 |

**General Education Courses**

- Foreign Language | 10 |

**Total ECTS**

- **190**

**First Area: Pedagogical Sciences**

- **40**

**Second Area: Teaching Methodology**

- **40**

**Third Area: Content Area Studies**

- **40**

**Specialization A**

- **15**

**Specialization B**

- **15**

**General Education Courses for Other Departments**

- **20**

**Third Area: Content Area Studies**

- **20**

**General Education Courses**

- Foreign Language | 10 |

**Total ECTS**

- **190**

**First Area: Pedagogical Sciences**

- **40**

**Second Area: Teaching Methodology**

- **40**

**Third Area: Content Area Studies**

- **40**

**Specialization A**

- **15**

**Specialization B**

- **15**

**General Education Courses for Other Departments**

- **20**

**School Experience**

- **30**

**Foreign Language**

- **10**

**Total ECTS**

- **190**

**First Area: Pedagogical Sciences**

- **40**

**Second Area: Teaching Methodology**

- **40**

**Third Area: Content Area Studies**

- **40**

**Specialization A**

- **15**

**Specialization B**

- **15**

**General Education Courses for Other Departments**

- **20**

**School Experience**

- **30**

**Foreign Language**

- **10**

**Total ECTS**

- **190**

**First Area: Pedagogical Sciences**

- **40**

**Second Area: Teaching Methodology**

- **40**

**Third Area: Content Area Studies**

- **40**

**Specialization A**

- **15**

**Specialization B**

- **15**

**General Education Courses for Other Departments**

- **20**

**School Experience**

- **30**

**Foreign Language**

- **10**

**Total ECTS**

- **190**
TABLE B: PROGRAMME OF STUDIES FOR KINDERGARTEN SCHOOL TEACHERS

<table>
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<tr>
<th>Area of Studies</th>
<th>Comp. Depar. Gen. ECTS</th>
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<tr>
<td>EDU 202 Early Childhood Pedagogy</td>
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<tr>
<td>EDU 204 Methodology of Educational Research</td>
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<td>EDU 220 Theory and Practice of Teaching</td>
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<tr>
<td>EDU 302 Principles and Perspectives of Early Childhood Education</td>
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<td>EDU 224 Forms of Language Expression</td>
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<td>EDU 348 Social Studies in the Kindergarten School</td>
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<td>EDU 352 Cultural Learning and Art in Pre Primary School</td>
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<td>EDU 368 Early Childhood Music Education II</td>
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<td>EDU 369 Play: Learning and Development</td>
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<td>Students who choose to complete a Seminar Thesis are exempted from two general educational courses.</td>
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<td>TOTAL</td>
<td>170 55 15 240</td>
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</table>
Department of Psychology
CHAIRPERSON
Athanasios Raftopoulos

PROFESSOR
Andreas Demetriou

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

ASSISTANT PROFESSORS
Georgia Panayiotou
Timothy Papadopoulos

LECTURERS
Marios Avraamides
Charis Psaltis
Georgios Spanoudis
INTRODUCTION
The Department of Psychology is a newly established department at the University of Cyprus that aims at excellence in teaching and research.

It offers an undergraduate degree which allows students to either continue their studies at the graduate level or to be employed in a field where psychological knowledge and skills are relevant.

The Department also offers a Master degree that allows students to specialize in Educational, Cognitive, or Developmental Psychology and/or to work as practitioners according to national certification guidelines and requirements.

A Ph.D. programme in the same areas prepares students for academic and research work.

PROGRAMME STRUCTURE
For the Degree in Psychology, students must successfully complete at least 240 credit units (ECTS). The courses are divided into compulsory and elective courses, as shown in Table I.

COURSE DESCRIPTIONS

PSY 100 INTRODUCTION TO PSYCHOLOGY
The history of psychology, with an emphasis on theories and developments since the 19th century, is examined. Significant trends in contemporary psychology are also discussed. In addition, this course offers review and discussion of special topics or methods in one or more areas of contemporary psychology such as developmental, social, personality, and cognitive.

PSY 101 DEVELOPMENTAL PSYCHOLOGY I
This course examines human development from conception to adolescence and the factors that affect it. The basic theories of development (i.e., biological, psycho-dynamic, behavioural and cognitive) are presented and discussed. The physical, cognitive and social-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, their assessment and educational applications, Genetic and environmental factors that influence human development, Language development, Creativity, Educational and psychological use of children’s drawings, Cognitive development, Moral development, Socialization and play, Attachment and separation, Aggression, Emotional disturbances, Identity development, Adolescent issues.

PSY 102 SOCIAL PSYCHOLOGY
The course aims to introduce students to the science of Social Psychology and familiarise them with the basic theory and research. It also aims to elaborate on selected fields of interest after a short historical overview of the development of the field. In particular, the course will examine the relation between the individual and society, social behaviour and intra-individual processes, the individual in the group, inter-group relations, social influence and social representations. Moreover, the domains of social psychology of cognitive development, development of gender identity and ethnic identity will be introduced with an emphasis on the way such research is articulated at the intra-personal, the inter-personal, the inter-group and the representational/ideological levels of analysis.

PSY 103 PSYCHOLOGY OF PERSONALITY
Basic theories of personality development will be discussed in this course, including type-and-trait theories, factor theories, psychodynamic, behavioristic and humanistic theories. Issues related to personality evaluation and therapy will also be examined.

PSY 118 FUNDAMENTALS OF HUMAN SEXUALITY
This interdisciplinary research and theoretical survey course on sexual behavior of humans is designed to provide students with opportunities to lay 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 on how to enact a healthy sexual life; the interrelationship of 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
Basic course in Cognitive Science. Examines concepts, theories, and research in the general areas of perception, memory, and problem solving. Emphasis is placed on mental representations, deductive and inductive reasoning, decision making, and social cognition.

PSY 121 DEVELOPMENTAL PSYCHOLOGY II
This course examines human development from adolescence to the end of life. 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 122 DEONTOLOGY AND ETHICS IN PSYCHOLOGY
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 as well. Thus, in this course the principles of competence, integrity, professional and ethical responsibility, respect for people’s rights and dignity, concern for others’ welfare, and social responsibility are closely examined.

PSY 123 PSYCHOLOGY OF MOTIVATION
The main topics concern external and internal motivation; motivation and learning process; motivation and goal achievement, school...

**PSY 200 BIOLOGICAL BASES OF BEHAVIOUR**
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 CNS affects behaviour. The role of 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 201 PSYCHOLOGY OF THE FAMILY**
The following topics will be examined: stages of family development, types of families, systemic views of the family, influence of the family institution on its members, communication between the family and the microsystems that surround it, especially the school.

**PSY 202 HEALTH PSYCHOLOGY**
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 203 MEMORY AND PROBLEM-SOLVING SKILLS**
This course focuses primarily on an introduction to the study of human memory and problem-solving skills. Topics include verbal learning and interference theory, short-term/long-term memory distinction, semantic memory, working memory, sensory memory, autobiographical memory, amnesia and implicit memory. Emphasis is placed on theoretical and empirical issues in human memory and problem solving while examining memory representations, ‘real-world’ memory, memory-based decision making, hypothesis testing techniques as well as expert-novice differences in memory and problem solving under the scope of information processing and planning skills.

**PSY 204 INTRODUCTION TO PSYCHOLOGICAL METHODOLOGY**
Knowledge of experimental methodology, both for understanding studies of human behaviour and for designing research procedures to explore psychological phenomena, is the main force behind scientific excellence. The course places particular emphasis on learning and practicing such skills through the acquisition of basic concepts of statistics (descriptive and inferential) and using computer aided statistical techniques for data analysis and data presentation in writing up technical research papers.

**PSY 208 HEALTH PSYCHOLOGY**
Health psychology is an applied psychology discipline that deals with theories, methods and techniques concerning health and illness. This course aims to examine socio-cognitive and self-regulation models that describe the psychological 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 behaviors occur.

**PSY 215 INTERGROUP RELATIONS AND SOCIAL REPRESENTATIONS**
The course aims to deepen students’ knowledge in two basic areas of interest in Social Psychology. In the field of Intergroup relations, the students will have the opportunity to familiarize 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 the Cypriot, European and global context 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 (intrapersonal, interpersonal, intergroup/positional and ideological/social representational).

**PSY 216 INTRODUCTION TO PSYCHOACOUTICS**
This 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 optimization of learning ability.

**PSY 217 FAMILY PSYCHOLOGY**
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 relationship 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 ABNORMAL PSYCHOLOGY**
Theories and their application in understanding and treating behaviour problems are the main focus of this course. A distinction between normal and deviant human behaviour is provided within the framework of various theories such as psychodynamic, behaviourist and biological.

**PSY 222 EDUCATIONAL PSYCHOLOGY**
This course examines psychological applications in the educational process. It includes the following topics: Behavioural and social-cognitive theories of learning. Memory system. Learning styles.
Individual differences (measurement, evaluation and utilisation during teaching). Motivation for achievement, attribution theory, self-efficacy. Group dynamics, class management and handling of specific problems in the group.

**PSY 223 PSYCHOLOGY OF INDIVIDUAL DIFFERENCES**
This 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 242 PERCEPTION AND ATTENTION**
An introduction to theoretical and experimental issues associated with sensory and perceptual experience is the focus of the course. Visual and auditory attention, object, scene, and sound perception, visual imagery and auditory memory are examined. Also examined are: representation of visual information, contextual effects in object recognition, and high-level phenomena such as visual problem-solving, navigation and route-learning, and auditory memory.

**PSY 300 CONTEMPORARY THEORIES OF LEARNING**
The course focuses on learning as a process of knowledge and skill acquisition. Particular emphasis is placed on individual and environmental factors as well as on relevant past knowledge, learning strategies, inferential ability, task demands and so on. Learning is also studied in relation to cognitive changes, problem solving and decision making and the way in which these influence the production of new knowledge.

**PSY 301 EXPERIMENTAL PSYCHOLOGY**
The aim of the course is to acquaint students with research methods in topics from a wide range of psychology specializations (memory, perception, learning, motivation, cognitive psychology, etc.), using controlled lab procedures and experimental conditions, and combining theory and practice as means of training.

**PSY 302 COGNITIVE SCIENCE AND EDUCATIONAL APPLICATIONS**
The course is an introduction to developmental-cognitive science. That is, the course aims to introduce concepts and theories of cognitive development and discuss the implications and applications of concepts, methods, and theories for education. After an overview of Piaget’s theory, the theories of Case, Demetriou, Fischer, Halford, and Pascual-Leone will be discussed. Moreover, there will be an introduction to research and theorising on theory of mind, reasoning, and the understanding of foundational domains. The implications of these theories and research for curriculum development and for gearing instruction to the capacities and preferences of the student will also be discussed.

**PSY 303 PSYCHOLOGY OF MOURNING**
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 304 PSYCHOLOGY OF ADAPTATION**
The aims of this course are 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. Application of this knowledge in personal life.

**PSY 305 ANALYSIS AND MODULATION OF BEHAVIOUR**
Methodology of observation, registration and analysis of human behaviour will be discussed. Also examines the cognitive and behavioural theories and techniques of changing behaviour.

**PSY 307 COUNSELLING PSYCHOLOGY**
This 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 321 COGNITIVE SCIENCE**
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**
Psychology of Reading is one of the most specialized subjects in Cognitive Psychology. Reading and understanding a word or a text requires the coordination of cognitive functions like perception, memory and thinking. Those functions and their applications in text processing will be examined in depth during this course. Subjects related to development and measurement of reading ability will also be discussed.
Prerequisite: PSY 120 or PSY 300.

**PSY 323 PSYCHOLOGY OF LANGUAGE**
The human language is one of the most complex and demanding abilities. The purpose of this course is to present and discuss theories and scientific findings regarding the development of human language. It will cover the developmental spectrum from infancy through adulthood. In addition to normal development, the course will discuss biological, organic, developmental, and neurological aetiology that affect the development and use of human language.

**PSY 324 LEARNING AND BEHAVIOURAL PROBLEMS**
The course pinpoints the two most common causes of concern in the primary school. It focuses on their interdependence and outlines ways of dealing with them. Based on recent research data, it first proves the close relationship between learning and behaviour problems and then stresses the importance of early prevention and treatment. It later moves on to suggest possible interpretations and solutions.

**PSY 322 SOCIAL PSYCHOLOGY OF COGNITIVE DEVELOPMENT**
The course aims to familiarize the students with a research field situated at the interface of contemporary social psychology and developmental psychology. The issue of the relationship between the
individual and society will be examined, and emphasis will be placed on the educational applications of this field of research on cooperative learning and social interaction between peers in the school setting. The course will also give students a historical overview of theories of socio-geneses in human development and learning like the work of ‘Social Genevans’. Special attention will be given to the recent approaches of socio-cultural research and cultural psychology that followed the work of both Piaget and Vygotsky.

* Due to the interdisciplinary nature of the course it belongs to the following orientations: Social/Clinical, Cognitive and Educational/Developmental.

* Limited selection course; also open to Department of Education.

**PSY 401 DIAGNOSTIC METHODS IN PSYCHOLOGY**
This course offers an introduction to the diagnostic investigation of abnormal behaviour. Major topics for discussion include the major diagnostic coding systems of mental health problems, ethical and philosophical issues in clinical diagnosis and investigation. The student will be introduced to various clinical investigation modalities for the assessment of behaviour, emotional, cognitive, achievement and adaptive functioning.

**PSY 402 THEORIES OF MIND**
The problem 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**
This course examines theories of human development that were introduced after Piaget and attempts to correct several limitations identified in his theory. Special emphasis will be given to the work of Siegler, Case, Pascual – Leone, Fischer, Demetriou and Vosniadou.

**PSY 404 EXPERIMENTAL METHODS AND STATISTICAL ANALYSIS**
Methodology and statistics in psychology. A detailed examination of methodologies leading to regression, factor analysis, path analysis and models of structural equations. Emphasis is placed on experimental design and statistical analysis. Statistical techniques like analysis of variance, etc.

**PSY 412 LEARNING DISABILITIES**
Introductory course to the cross-linguistic and cross-cultural nature of learning disabilities. Emphasis in placed on their interdisciplinary and multifaceted dimension; assessment of cognitive dysfunction in the areas of language, maths, social and emotional behaviour and intervention.

**PSY 420 CLINICAL PSYCHOLOGY**
Prerequisite: PSY 220
This course examines the science and practice of clinical psychology. It emphasizes topics such as the training of clinical psychologists, the implications of clinical practice and the dilemmas facing the field today. Diagnostic methods, processing assessment data, case conceptualization and treatment are discussed, as is the application of clinical psychology to specialized domains such as health, pediatrics, and forensics. Codes of ethics and structure of training programs are covered and there are also a number of specialized discussions on controversial issues in the field, such as prescription privileges and cross-cultural issues.

**PSY 422 NEUROPSYCHOLOGY**
Basic aim of the course is to provide general knowledge of the human brain anatomy. Emphasis is placed on the Central Nervous System (CNS) structures and the relationship between brain and behaviour, on testing neuropsychological and cognitive functions (e.g., memory, attention, language, visual-spatial abilities, verbal learning, etc.), and on the effects of brain impairment.

**PSY 423 MENTAL RETARDATION**
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**
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 the student 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 490/491 THESIS IN PSYCHOLOGY**
Writing an undergraduate thesis is optional. Students interested in writing a thesis must have ensured the supervision of one faculty member.

**PSY 499 PSYCHOLOGY APPLICATIONS**
The field of psychology is increasingly specialized and can lead to multiple career paths. This course will help students develop their knowledge and skills in order to delineate their own future career path. Topics for discussion include the historical development of the field and profession of psychology. We will discuss contemporary professional trends in psychology and predictions for the future within the Cypriot, European and international context. Students will further understand the challenges, demands and characteristics of various specializations and career paths within psychology. This course is often experiential in nature and students are expected to develop their insight and critical thinking skills via various exercises, discussions, literature review, lectures and voluntary work. Within the context of this course, students will have the opportunity to visit various community sites in order to further develop their experiential understanding of the various career paths.
### TABLE 1: STRUCTURE OF THE PROGRAMME

<table>
<thead>
<tr>
<th>Compulsory Courses (70 ECTS)</th>
<th>ECTS</th>
<th>Clinical Psychology (6 ECTS each)</th>
<th>Elective Courses from the Department of Education (10 ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100 Introduction to Psychology</td>
<td>5</td>
<td>PSY 103 Psychology of Personality</td>
<td>Two courses, 5 ECTS each, from the following areas: Special Education, Sociology of Education or Philosophy of Education.</td>
</tr>
<tr>
<td>PSY 101 Developmental Psychology</td>
<td>5</td>
<td>PSY 202 Health Psychology</td>
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<tr>
<td>PSY 102 Social Psychology</td>
<td>5</td>
<td>PSY 215 Intergroup Relations and Social Representations</td>
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<tr>
<td>PSY 120 Cognitive Psychology</td>
<td>5</td>
<td>PSY 216 Introduction to Psychoacoustics</td>
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<tr>
<td>PSY 122 Deontology and Ethics in Psychology</td>
<td>5</td>
<td>PSY 303 Psychology of Mourning</td>
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<tr>
<td>PSY 200 Biological Bases of Behaviour</td>
<td>7</td>
<td>PSY 304 Psychology of Adaptation</td>
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<tr>
<td>PSY 204 Introduction to Psychological Methodology</td>
<td>5</td>
<td>PSY 305 Analysis and Modulation of Behaviour</td>
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<tr>
<td>PSY 220 Abnormal Psychology</td>
<td>6</td>
<td>PSY 332 Social Psychology of Cognitive Development</td>
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<tr>
<td>PSY 222 Educational Psychology</td>
<td>5</td>
<td>PSY 401 Diagnostic Methods in Psychology</td>
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<td>PSY 301 Experimental Psychology</td>
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<td>PSY 420 Clinical Psychology</td>
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<tr>
<td>PSY 404 Experimental Methods and Statistical Analysis</td>
<td>7</td>
<td>PSY 423 Mental Retardation</td>
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<tr>
<td>PSY 499 Application of Psychology</td>
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<table>
<thead>
<tr>
<th>Elective Courses (120 ECTS)</th>
<th>30 ECTS from each of the following areas:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective courses for all areas</td>
<td>PSY 118 Fundamentals of Human Sexuality</td>
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<tr>
<td></td>
<td>PSY 422 Neuropsychology</td>
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<tr>
<td>Cognitive Psychology (6 ECTS each)</td>
<td>PSY 203 Memory and Problem-Solving Skills</td>
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<tr>
<td></td>
<td>PSY 224 Perception and Attention</td>
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<td>PSY 321 Cognitive Science</td>
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<td>PSY 322 Psychology of Reading</td>
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<td>PSY 323 Psychology of Language</td>
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<td>PSY 402 Theories of Mind</td>
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<td>PSY 403 Cognitive Development</td>
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<td>PSY 424 Knowledge Representation</td>
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<tr>
<td>Educational Developmental Psychology (5 ECTS each)</td>
<td>PSY 121 Developmental Psychology II</td>
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<td>PSY 123 Psychology of Motivation</td>
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<td>PSY 217 Psychology of the Family</td>
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<td>PSY 223 Psychology of Individual Differences</td>
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<td></td>
<td>PSY 300 Contemporary Theories of Learning</td>
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<td></td>
<td>PSY 302 Cognitive Development and Educational Applications</td>
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<td></td>
<td>PSY 307 Counseling Psychology</td>
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<td></td>
<td>PSY 324 Behavioral and Learning Problems</td>
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<td></td>
<td>PSY 332 Social Psychology of Cognitive Development</td>
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<td></td>
<td>PSY 412 Learning Disabilities</td>
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<table>
<thead>
<tr>
<th>Two Compulsory Courses from other Departments (10 ECTS)</th>
<th>PSY 490/491 Thesis Writing (10-12 ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 001 Introduction to Computers</td>
<td>Writing an undergraduate thesis is optional. Students interested in writing a thesis must have ensured the supervision of one faculty member.</td>
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<tr>
<td>MAS 051 Statistics</td>
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</table>

**Total ECTS: 240**

**Notes:**
1. The courses in Educational – Developmental Psychology are also taken by Education students. Psychology students must take 6 courses from this area and 5 from two other areas.
2. Elective Courses also include PSY 398 Independent Research (6 ECTS).
## Table II: Analytical Programme of Studies per Semester

<table>
<thead>
<tr>
<th>Semester</th>
<th>ECTS</th>
<th>ECTS</th>
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<tbody>
<tr>
<td><strong>1st Year</strong></td>
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<tr>
<td><strong>Fall Semester</strong></td>
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</tr>
<tr>
<td>PSY 100 Introduction to Psychology</td>
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<tr>
<td>PSY 101 Developmental Psychology I</td>
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<td>PSY 102 Social Psychology</td>
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<td>PSY 103 Psychology of Personality</td>
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<tr>
<td>MAS 051 Statistics</td>
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<tr>
<td>Foreign Language I</td>
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<tr>
<td><strong>Semester Total:</strong></td>
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<tr>
<td><strong>Spring Semester</strong></td>
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<tr>
<td>PSY 120 Cognitive Psychology</td>
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<tr>
<td>PSY 122 Deontology and Ethics in Psychology</td>
<td>5</td>
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<tr>
<td>CS 001 Introduction to Computer Science</td>
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<tr>
<td>PSY Elective</td>
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<tr>
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<td><strong>Year Total:</strong></td>
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<tr>
<td><strong>2nd Year</strong></td>
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<tr>
<td><strong>Fall Semester</strong></td>
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<td>PSY 200 Biological Bases of Behaviour</td>
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<td>PSY 204 Introduction to Psychological Methodology</td>
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<tr>
<td><strong>Spring Semester</strong></td>
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<tr>
<td>PSY 220 Abnormal Psychology</td>
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<td><strong>Year Total:</strong></td>
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<td><strong>3rd Year</strong></td>
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<td>PSY 301 Experimental Psychology</td>
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<td>PSY 307 Counselling Psychology</td>
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<tr>
<td>PSY Elective</td>
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<tr>
<td>Elective (E)</td>
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<td><strong>Semester Total:</strong></td>
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<td><strong>Spring Semester</strong></td>
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Department of Social and Political Sciences
CHAIRPERSON
Kyriakos Demetriou

VICE CHAIRPERSON
Caesar V. Mavratsas

PROFESSOR
Savvas Katsikides

ASSOCIATE PROFESSORS
Kyriakos Demetriou
Joseph S. Joseph
Caesar V. Mavratsas
Costas Melakopides
Yiannis Papadakis

ASSISTANT PROFESSORS
Kalliope Agapiou - Josephides
Maria Hadjipavlou
Victor Roudometof

LECTURERS
Marios Constantinou
Stavros Tombazos
AIMS 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

The purpose of this introductory course is to familiarize 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

This 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 socialization, 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

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

The purpose of this course is to familiarize students with classic texts. Further, basic concepts and ideas that shaped European political structures are explored.

SPS 155 FOREIGN POLICY

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

This is 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
This 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
This 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
This 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
This 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 democratization, the phenomenon of globalization and the dwindling role of the nation-state are topics that will be covered.

SPS 262 THE POLITICAL SYSTEM OF GREECE
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
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
The objective of the course is to familiarize 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
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
The aim of the course is to familiarize 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
This 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
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 categorizations 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
This 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
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
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
The course examines the role of Ideology in reforming and legitimizing 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
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
The issue of globalization 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: westernization, modernization 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
This 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
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
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
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
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
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
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
This 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**
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**
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**
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**
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**
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**
This 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**
This 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**
This course examines in depth, in seminar format, 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**
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**
The course studies in depth, and in a seminar format, 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**
This 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**
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**
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**
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**
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**
This course explores major issues in political thought through the writings of selected political philosophers. During the course, students analyze one or more philosophers by reading their original works as well as critical material.

**SOCIOMETRY**

**SPS 101 INTRODUCTION TO SOCIOLOGY**
The course is an introductory overview of sociological theory, methodology and research. Its aim is to familiarize 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**
The course is a systematic introduction to the works of the classic thinkers of the discipline. The aim is to familiarize students with the main issues and problems of sociological theory up to WWII. Special emphasis is given to the methodology of sociology, modernity and the key characteristics of capitalist society. The course emphasizes the importance of classical texts and examines the role they continue to play in sociological thinking.

**SPS 105 INTRODUCTION TO SOCIAL ANTHROPOLOGY**
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**
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: socialization 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**
This course presents the scientific method of investigating social phenomena. The purpose of this course is to familiarize 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 acceptence, which every discipline has developed. In addition to familiarizing 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**
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 operationalization, techniques for construction of questionnaires, indexes, scales and typologies, sampling, data analysis and different types of social statistics. In addition to familiarizing 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 201 SOCIOLOGY OF MUSIC**
The course examines the relationship between different musical forms (classical, pop, folk, jazz, etc.) and the societies that created them. Both micro- and macro-sociological approaches are employed to study the functions of different musical forms in varied social contexts as well as to explore the topic of musical production and consumption in modern societies.

**SPS 202 INTRODUCTION TO ANTHROPOLOGY OF MUSIC AND ETHNOMUSICOLOGY**
This course is an introduction to the history and concepts of ethnomusicology and its relationship to other disciplines in the humanities, mainly anthropology, folklore, linguistics, and historic musicology. Thus, emphasis is placed on the emergence of ethnomusicology as an interdisciplinary field that involves ethnographic methods (e.g., research design, preparing research proposals, participant observation, interviewing, sound and visual recording techniques and technologies, documentation, and ethics and politics of responsibility to research subjects), as well as on the use of oral and literate sources. Students are expected to do field research and conduct interviews.

**SPS 211 CONTEMPORARY SOCIOLOGICAL THEORIES**
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**
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**
The course focuses on the processes of the socialization 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 socialization; 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 DEVIANC**
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**
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**
This 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**
This course will analyze 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**
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 class will address the issue of welfare action beyond governmental jurisdictions.

**SPS 244 SOCIAL THEORY AND CITIZENSHIP**
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 class 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**
Gender, Race and Class are conceptualized as constituted and constituting forces which drive the propensity of modernity toward
social mobilization 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
This course explores the evolution of Critical Theory as an uncompromising critique of modern bourgeois civilization. We shall elucidate the various ways in which contemporary critical theory inseminates creative research (in relatively unsuspected and uncharted areas) by critical discourse such as the health industry, criminality, education, city planning, architecture of urban space, etc. Main objective is to enable the participants to nurture critical research orientations as specialized forms of social intervention in the modern world.

SPS 269 BASIC PRINCIPALS OF POLITICAL ECONOMY
The aim of the course is to familiarize 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
The course entails the analysis of the relationship between culture and society and focuses on the effect of cultural factors on social behavior. The historical evolution and the different meanings of the terms ‘culture’ and ‘civilization’ 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 commercialization, 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
The course is a systematic introduction to industrial sociology, offering a comparative-historical perspective on industrialization. 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
This 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 will focus 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
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
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
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
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 modernization, on the character and the structures of family life.

SPS 308 CRIMINOLOGY
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, monopodic mass murder, serial murder and white-collar crime.
Finally, the FBI’s profiling method is critically evaluated.

SPS 309 INTERNATIONAL TERRORISM
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
This 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
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
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
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
This class 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
This class 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. We shall try to aggregate various implications accruing from the discontents of identity as well as on the compulsive fear of being allegiant to any particular identity, by highlighting new regimes of normalization and resistance associated with them.

SPS 318 DEVELOPMENT AND MODERNIZATION
The course examines the processes of modernization 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 modernization on a wide range of other sociological factors – from politics and the family to religion and cultural production.

SPS 319 ANTHROPOLOGY OF RELIGION
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
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
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
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
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 industrialized 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**
This course will evaluate 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. We also examine how social theory becomes part of legal theory’s self-reflexivity in light of the latter’s attempt to reform the legal system.

**SPS 326 SOCIOLOGY OF HEALTH**
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**
This 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 URBANIZATION**
The course is a systematic introduction to the sociology of urban life and urbanization. The development of cities is examined in a comparative-historical perspective, and the focus is on those processes of urbanization which are connected with the wider phenomenon of modernization. The emphasis is on the effects of urbanization on a wide range of other social processes – economic, political and cultural.

**SPS 329 SOCIOLOGY OF TECHNOLOGY**
The course is a systematic introduction to the sociology of technology, analyzing 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**
The course is a systematic introduction to the concepts, methodology and empirical research of the sociology of knowledge. The relation between knowledge and society is examined in classical sociology (especially work of Marx and Durkheim), as is the more recent and more systematic sociology of knowledge that has developed from the thought of Scheller, Manheim, Schutz, Berger and Luckmann. Special emphasis is placed on the relation between consciousness and modernity, ideological thinking and the consciousness of everyday life. An extensive introduction to social phenomenology is also provided.

**SPS 331 SOCIOLOGY OF WORK**
The course is a systematic introduction to the sociology of work, analyzing 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 familiarized with empirical research in the sociology of work.

**SPS 332 SOCIAL PROBLEMS**
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**
The course is a general introduction to the Sociology of Religion. Primary goals are (1) understanding the role of religion in society and (2) 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 secularization and the relationship between globalization 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**
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**
Under the post-materialist constellation of values that increasingly characterize 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 institutionalized by the neoliberal theory of the free market which foregrounded and valorized 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**
This 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**

In this class we approach cinema as a textual system by rereading concepts of psychoanalytic, Marxist and post-structuralist social theory in the context of cinema. We examine cinema as industry, institution and as a system of representation that rewrites the subjects in their social positions.

**SPS 348 APPLIED QUALITATIVE RESEARCH**

This 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**

This course expands the knowledge of quantitative techniques and applies it to the analysis of data sets. Students will familiarize 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**

The purpose of the course is to examine the repercussions of globalization 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, racialized or other ethnic or ‘hybrid’ identities; the rise of cosmopolitanism and localism, etc.

**SPS 402 TRUTH, MEMORY AND RECONCILIATION: COMPARATIVE SOCIOLOGICAL PERSPECTIVES**

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**

Historical Sociology uses the historical record as a means for developing specific generalizations 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 modernization. Specific sub-fields covered include: comparative-historical sociology, world-system analysis, social history, world history (a sub-field shared with historians), the figurational sociology (of the late Norbert Elias), etc.

**SPS 404 SOCIOLOGY OF POLITICAL PARTIES**

The course examines phenomena of party and parliamentary oligarchy and bureaucratization 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**

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**

This class will examine 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 federalization. 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 447 ADVANCED ISSUES IN SOCIOLOGY**

This 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.
ACADEMIC PROGRAMME FOR POLITICAL SCIENCE DEGREE

CORE COURSES IN POLITICAL SCIENCE
15 courses x 6 ECTS = 90 ECTS
- SPS 151 Introduction to Political Science
- SPS 152 Comparative Politics
- SPS 153 International Relations
- SPS 154 Political Theory
- SPS 155 Foreign Policy
- SPS 156 European Integration
- SPS 157 Political Analysis and Methodology
- SPS 232 Gender, Power and Politics
- SPS 251 The Political System of Cyprus
- SPS 261 Comparing Political Systems
- SPS 266 Political System of the European Union
- SPS 269 Basic Principals of Political Economy
- SPS 281 Political Theory II
- SPS 314 Political Sociology
- SPS 377 Superpowers and the International System

SPS 268 Cyprus Foreign Policy
SPS 272 International Organizations
SPS 273 International Peace and Security
SPS 274 Human Rights
SPS 275 The UN System
SPS 282 Political Ideologues
SPS 360 Globalization
SPS 361 Cyprus and the European Union
SPS 362 Politics of the European Union
SPS 363 Law of the European Union
SPS 364 Europe and the Mediterranean
SPS 365 Plato’s Political Thought
SPS 366 Social Contract Theories
SPS 367 Theories of Political Justice
SPS 368 Hegel’s Political Thought
SPS 371 Constitutional Law
SPS 372 Constitutional History of Cyprus
SPS 373 The Cyprus Problem
SPS 374 International Law
SPS 376 Conflict Resolution
SPS 378 Economy and Politics
SPS 379 Greek Foreign Policy
SPS 382 Contemporary Political Theory
SPS 383 Political Parties and Elections
SPS 393 International Relations Theories
SPS 395 Mediterranean Dimension of the European Union
SPS 396 European Foreign and Security Policy
SPS 451 Special Issues in International Relations
SPS 452 Special Topics in Comparative Politics
SPS 455 Special Issues in Foreign Policy
SPS 461 European Union Special Issues
SPS 462 Common Policies of the European Union
SPS 464 Ethics of International Relations
SPS 466 The European Union as a Global Power
SPS 467 Gender and International Organizations
SPS 468 Critical Theory
SPS 481 Special Issues in Political Theory
SPS 498 Degree Thesis I
SPS 499 Degree Thesis II

ELECTIVES FROM OTHER SUBJECT AREAS
3 courses x 6 ECTS + 2 course x 5 ECTS = 28 ECTS
Two from the following 3 selections are compulsory:
- SPS 101 Introduction to Sociology
- SPS 102 Classical Sociological Theories
- SPS 105 Introduction to Social Anthropology
- SPS 141 Introduction to Social Psychology
- SPS 211 Contemporary Sociological Theories
- SPS 231 Social Stratification
- SPS 304 Sociology of Mass Media
- SPS 306 Social Movements
- SPS 318 Development and Modernization
- SPS 320 Ethnicity and Nationalism
- SPS 322 Political Anthropology

Total of 41 Courses
35 Courses x 6 ECTS = 210 ECTS
or
6 Courses x 5 ECTS = 30 ECTS

Total of 41 Courses
33 Courses x 6 ECTS = 198 ECTS
Thesis I & II = 12 ECTS
6 Courses x 5 ECTS = 30 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, a student can take two courses from ‘SUPPORT AND SPECIALIZATION COURSES’.
## Political Science Degree

### Distribution by semester with Thesis - TOTAL of 240 ECTS

**1st Year**

**1st Semester (29 ECTS)**
- SPS 151 Introduction to Political Science
- SPS 152 Comparative Politics
- SPS 153 International Relations
- Foreign Language I (5 ECTS)
- CS 001 Introduction to Computer Sciences (6 ECTS)

**2nd Semester (29 ECTS)**
- SPS 154 Political Theory
- SPS 155 Foreign Policy
- SPS 156 European Integration
- SPS 157 Political Analysis and Methodology
- Foreign Language II (5 ECTS)

**2nd Year**

**3rd Semester (28 ECTS)**
- Foreign Language III (5 ECTS)
- MAS 051 Statistical Methods (5 ECTS)
- SPS 232 Gender, Power and Politics
- SPS 251 The Political System of Cyprus
- SPS 261 Comparing Political Systems

**4th Semester (30 ECTS)**
- SPS 266 Political System of the European Union
- SPS 269 Basic Principals of Political Economy
- SPS 281 Political Theory II
- SPS 314 Political Sociology
- SPS 377 Superpowers and the International System

**3rd Year**

**5th Semester (30 ECTS)**
- 1 course from "Electives from other subject areas"
- 1 course from "Electives from other subject areas" (5 ECTS)
- 4 courses "Support and Specialization"

**6th Semester (35 ECTS)**
- 1 course from "Electives from other subject areas" (5 ECTS)
- 4 courses "Support and Specialization"

**4th Year**

**7th Semester (29 ECTS)**
- SPS 448 Degree Thesis I (6 ECTS)
- 1 course from "Electives from other subject areas"
- 3 courses "Support and Specialization"

**8th Semester (30 ECTS)**
- SPS 448 Degree Thesis II (6 ECTS)
- 1 course from "Electives from other subject areas"
- 3 courses "Support and Specialization"

## Political Science Degree

### Distribution by semester without Thesis - TOTAL of 240 ECTS

**1st Year**

**1st Semester (29 ECTS)**
- SPS 151 Introduction to Political Science
- SPS 152 Comparative Politics
- SPS 153 International Relations
- Foreign Language I (5 ECTS)
- CS 001 Introduction to Computer Sciences (5 ECTS)

**2nd Semester (29 ECTS)**
- SPS 154 Political Theory
- SPS 155 Foreign Policy
- SPS 156 European Integration
- SPS 157 Political Analysis and Methodology
- Foreign Language II (5 ECTS)

**2nd Year**

**3rd Semester (28 ECTS)**
- Foreign Language III (5 ECTS)
- MAS 051 Statistical Methods (5 ECTS)
- SPS 232 Gender, Power and Politics
- SPS 251 The Political System of Cyprus
- SPS 261 Comparing Political Systems

**4th Semester (30 ECTS)**
- SPS 266 Political System of the European Union
- SPS 269 Basic Principals of Political Economy
- SPS 281 Political Theory II
- SPS 314 Political Sociology
- SPS 377 Superpowers and the International System

**3rd Year**

**5th Semester (30 ECTS)**
- 1 course from "Electives from other subject areas"
- 1 course from "Electives from other subject areas" (5 ECTS)
- 4 courses "Support and Specialization"

**6th Semester (35 ECTS, 6 courses)**
- 1 course from "Electives from other subject areas" (5 ECTS)
- 4 courses "Support and Specialization"

**4th Year**

**7th Semester (29 ECTS)**
- 1 course from "Electives from other subject areas"
- 4 courses "Support and Specialization"

**8th Semester (30 ECTS)**
- 1 course from "Electives from other subject areas"
- 4 courses "Support and Specialization"
### ACADEMIC PROGRAMME FOR SOCIETY DEGREE

#### CORE COURSES IN SOCIOLOGY

18 courses x 6 ECTS = 108 ECTS  
- SPS 101 Introduction to Sociology  
- SPS 102 Classical Sociological Theories  
- SPS 105 Introduction to Social Anthropology  
- SPS 141 Introduction to Social Psychology  
- SPS 146 Introduction to Qualitative Social Science Methodology  
- SPS 147 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 Principles 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 321 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 I  
- Foreign Languages II  
- Foreign Languages III  
- CS 001 Introduction to Computer Sciences (6 ECTS)  
- MAS 051 Statistical Methods

#### SUPPORT AND SPECIALIZATION COURSES (Deepening and Interdisciplinary Enlargement)

10 courses 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 316 Ethnicity and Difference  
- SPS 318 Development and Modernization  
- 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 Urbanization  
- 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 Harmonization 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 ELECTIVES FROM OTHER SUBJECT AREAS

3 courses x 6 ECTS + 2 courses x 5 ECTS = 28 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 165 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 41 Courses**  
- 35 Courses x 6 ECTS = 210 ECTS  
- 6 Courses x 5 ECTS = 30 ECTS  
 or

**Total of 41 Courses**  
- 33 Courses x 6 ECTS = 198 ECTS  
- Thesis I & II = 12 ECTS  
- 6 Courses x 5 ECTS = 30 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, a student can take two courses from ‘SUPPORT AND SPECIALIZATION COURSES’. 
### SOCIOLOGY DEGREE
#### Distribution per semester with Thesis - TOTAL of 240 ECTS

#### 1st YEAR

**1st Semester (29 ECTS)**
- SPS 101 Introduction to Sociology
- SPS 102 Classical Sociological Theories
- SPS 103 Introduction to Social Anthropology
- Foreign Language I (5 ECTS)
- CS 001 Introduction to Computer Sciences (6 ECTS)

**2nd Semester (29 ECTS)**
- SPS 141 Introduction to Social Psychology
- SPS 146 Introduction to Qualitative Social Science Methodology
- SPS 147 Introduction to Quantitative Social Science Methodology
- SPS 211 Contemporary Sociological Theories
- Foreign Language II (5 ECTS)

#### 2nd YEAR

**3rd Semester (28 ECTS)**
- Foreign Language 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 (30 ECTS)**
- SPS 269 Basic Principals 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 (35 ECTS)**
- SPS 401 Global Society
  1 course from 'Major and Minor electives from other subject areas'
  1 course from 'Major and Minor electives from other subject areas' (5 ECTS)
  3 courses 'Support and Specialization'

#### 4th YEAR

**7th Semester (29 ECTS)**
- SPS 448 Degree Thesis I (6 ECTS)
  1 course from 'Major and Minor electives from other subject areas'
  1 course from 'Major and Minor electives from other subject areas' (5 ECTS)
  2 courses 'Support and Specialization'

**8th Semester (30 ECTS)**
- SPS 448 Degree Thesis II (6 ECTS)
  1 course from 'Major and Minor electives from other subject areas'
  3 courses 'Support and Specialization'

### SOCIOLOGY DEGREE
#### Distribution 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 103 Introduction to Social Anthropology
- Foreign Language I (5 ECTS)
- CS 001 Introduction to Computer Sciences (6 ECTS)

**2nd Semester (29 ECTS)**
- SPS 141 Introduction to Social Psychology
- SPS 146 Introduction to Qualitative Social Science Methodology
- SPS 147 Introduction to Quantitative Social Science Methodology
- SPS 211 Contemporary Sociological Theories
- Foreign Language II (5 ECTS)

#### 2nd YEAR

**3rd Semester (28 ECTS)**
- Foreign Language 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 (30 ECTS)**
- SPS 269 Basic Principals 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 (35 ECTS, 6 courses)**
- SPS 401 Global Society
  1 course from 'Major and Minor electives from other subject areas'
  1 course from 'Major and Minor electives from other subject areas' (5 ECTS)
  3 courses 'Support and Specialization'

#### 4th YEAR

**7th Semester (29 ECTS)**
- 1 course from 'Major and Minor electives from other subject areas'
- 1 course from 'Major and Minor electives from other subject areas' (5 ECTS)
- 3 courses 'Support and Specialization'

**8th Semester (30 ECTS)**
- 1 course from 'Major and Minor electives from other subject areas'
- 4 courses 'Support and Specialization'
Department of Economics
CHAIRPERSON
Michael S. Michael

VICE CHAIRPERSON
Theofanis P. Mamuneas

PROFESSORS
Louis Christofides
Michael S. Michael
Panos Pashardes

ASSOCIATE PROFESSORS
Yannis Bilias
Christis Hassapis
Panayiota Lyssiotou
Theofanis P. Mamuneas

ASSISTANT PROFESSORS
Elena Andreou
Sofronis Clerides
Costas Hadjiyiannis
Andros Kourtellos
Marios Zachariades

LECTURERS
Andri Chasampoulli
Paris Cleanthous
Ioannis Kasparis
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.

AIM 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 and a degree in International, European and Economic Studies. The programmes include basic courses in economic theory, statistics and econometrics, mathematical economics and several field courses in Economics and European Economics. An essential prerequisite for admission to the Department is good knowledge of English and Mathematics.

Table A shows the programme of studies in Economics per semester and Table B the elective courses offered by the Department for the degree in Economics. Table E outlines the programme of studies in International, European and Economic Studies per semester and Table F outlines its elective courses.

It should also be noted that:

(a) The lists of “Elective Courses” can be extended to include courses offered by other departments.

(b) A course may be withdrawn if demand by students is low or no member of staff is available to teach it.

(c) The elective lists are indicative and are 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.

DEGREE IN ECONOMICS
Degree Requirements
To graduate 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 – including compulsory ECO courses).
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 the students attend during their first year of studies)*

c) 20-24 ECTS must be electives taken from at least two 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.

* Students who are in their 4th year of studies and are in the transitional period due to the change from credit units to ECTS must take 60 ECTS from a list of restricted courses (including the first year compulsory courses MAS 001, MAS 061 and CS 003).

Table A presents the Academic Programme leading to the degree in Economics, while Table B shows a list of restricted electives offered by the Department. Table C shows a list of restricted electives offered by other departments of the University. The programme is laid out per semester, and courses offered by the Department of Economics are coded “ECO.” The courses that students take from other departments have analogous codes. The courses in parenthesis are prerequisite.

An “elective” can be any course offered by any other department of the University.

Students are free to decide when to take a “restricted elective” or an “elective”, based on their programme.

Additional Information

a) The elective lists above are indicative and are subject to modifications 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 Department may withdraw courses due to staff shortages or low attendance.

c) The list of Elective Courses can be extended to include courses offered by other departments.

d) Where the same course is offered at two levels (I and II), the first-level course is generally prerequisite for the second level.

e) Certain other courses carry prerequisites, as listed below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 211</td>
<td>ECO 111</td>
</tr>
<tr>
<td>ECO 301</td>
<td>ECO 211</td>
</tr>
<tr>
<td>ECO 221</td>
<td>ECO 121</td>
</tr>
<tr>
<td>ECO 302</td>
<td>ECO 221</td>
</tr>
<tr>
<td>ECO 212</td>
<td>MAS 061</td>
</tr>
<tr>
<td>ECO 222</td>
<td>ECO 212</td>
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<td>ECO 303</td>
<td>ECO 222</td>
</tr>
<tr>
<td>ECO 213</td>
<td>MAS 001</td>
</tr>
<tr>
<td>ECO 223</td>
<td>ECO 213</td>
</tr>
</tbody>
</table>

Students who take a course without taking the prerequisites will not be credited.

f) Restricted elective courses include all courses offered by our department and selected courses from other departments of the University.

An “elective” can be any course offered by any other department of the University.

Students are free to decide when to take a “restricted elective” or an “elective”, based on their programme.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 651 Microeconomic Analysis II</td>
<td>7.5 ECTS</td>
</tr>
<tr>
<td>ECO 652 Macroeconomic Analysis II</td>
<td>7.5 ECTS</td>
</tr>
<tr>
<td>ECO 653 Statistics and Econometrics II</td>
<td>7.5 ECTS</td>
</tr>
</tbody>
</table>

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 programme of each student.

In case of admission to the graduate programmes of the Department the students will not take these graduate courses again.

MINOR IN ECONOMICS

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

REQUIREMENTS FOR THE DEGREE IN INTERNATIONAL, EUROPEAN AND ECONOMIC STUDIES

To graduate with a degree in International, European and Economic Studies, students must complete at least 240 ECTS, out of which:

a) at least 124 ECTS must be from the Department of Economics (course codes ECO).

b) 20 ECTS are electives. These courses have to be taken in at least two 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 18 ECTS must be from a list of specific courses in the Department of Social and Political Sciences (course codes SPS).

e) at least 15 ECTS must be in English language courses and 15 ECTS in another foreign language.

ACADEMIC PROGRAMME IN INTERNATIONAL, EUROPEAN AND ECONOMIC STUDIES

Table E presents the Academic Programme leading to the degree in International, European and Economic Studies, per semester, while Table F shows a list of restricted electives.

Additional Information

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

b) Certain courses carry prerequisites, as listed below:

   ECO 211 – prerequisite ECO 111
   ECO 221 – prerequisite ECO 121
   ECO 213 – prerequisite MAS 001
   ECO 212 – prerequisite MAS 061
   ECO 222 – prerequisite ECO 212
   ECO 303 – prerequisite ECO 222

Students who take a course without taking the prerequisites will not be credited.

c) Restricted electives include all courses offered by our Department and selected courses from other departments of the University.

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

Students are free to decide when to take a “restricted elective” or an “elective”, based on their programme.

d) Undergraduate students of the Department can enrol in a maximum of two of the following three graduate courses given that 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)

   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 program of each student.

   In case of admission to the graduate programmes of the Department the students will not take these graduate courses again.

DESCRIPTION OF COURSES

ECO 101 INTRODUCTION TO ECONOMICS (6 ECTS)

This is an introductory course in Economics designed for students of other Departments besides the Departments of Economics and 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 economists’ 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)
This 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)

ECO 213 MATHEMATICS FOR ECONOMISTS I (7 ECTS)
The purpose of the course is to give an introduction to the basic mathematical methods used in economics. Parts: (1) Mathematical symbols used in economics, such as summation and product; basic aspects of logic and set theory; mathematical induction, methods of proof. (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. (3) Linear and Matric Algebra – systems of linear equations, matrices and matrix operations, vectors, determinant, inverse, Cramer’s rule. (4) Optimization methods and comparative static’s techniques – single variable and multivariate optimization, constrained optimization, Lagrange multiplier method, envelope theorem, comparative statics. Applications to economic problems.

ECO 221 MACROECONOMIC THEORY (7 ECTS)
This course is a continuation of Principles of Macroeconomics (ECO 121). IS-LM model. AD-AS model. Classical, Keynesian, Monetarist and New Classical views, consumption, investment, growth, fiscal and monetary policy. Inflation and unemployment (causes, effects, and policy measures).

ECO 222 INTRODUCTION TO ECONOMETRICS (7 ECTS)

ECO 223 MATHEMATICS FOR ECONOMISTS II (7 ECTS)
This course focuses on dynamic analysis. In particular we study differential equations, higher order differential equations, discrete time difference equations, higher order difference equations, simultaneous differential and difference equations. Other topics covered include the nature of dynamic optimization, 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)
This course is a continuation of Microeconomic Theory (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 labor 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)
This is a continuation of Macroeconomic Theory (ECO 221). It 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)

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)
In this course we study the labour market and the effects of economic policy on employment and wages. We also study 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. Finally, we study 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.

ECO 312 INDUSTRIAL ORGANISATION (6 ECTS)
This is an introductory course to the field of Industrial Organisation. 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 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 analyzes the international transmission of various fiscal and budget policies. It then analyses the implications of tax competition, tax harmonization, 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 harmonization, 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)
This course examines the historical development of economic theory from ancient Greek times until the Second World War.

ECO 325 INTERNATIONAL ECONOMIC RELATIONS (6 ECTS)
This 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)
This course is designed to familiarize students with the current knowledge about the causes of the observed differences in the pace of regional economic development across different countries. We will examine models of regional growth and development and how they formulate economic policy. Moreover, we will consider socioeconomic impact analysis to forecast sub-national economic changes.

ECO 327 ENVIRONMENTAL ECONOMICS (6 ECTS)
In this course, we will apply the tools of economics to the analysis of environmental problems and public policy formulation. We will study 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, we will 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)
This 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 role of three Central Banks is 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 maximizing firms under various market conditions. We first review the different market structures and examine topics such as pricing, choice of quality, entry deterrence strategies and predatory and limit pricing. We also cover 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 ECONOMICS OF REGULATION (6 ECTS)
The government plays an important role in overseeing business behavior 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 (CAMP), the Consumption CAMP, the arbitrage and the linear factor models), as well as interest rate and bond pricing models. The course will also apply the above theories as well as estimate and test asset pricing models.

ECO 391 NATIONAL ACCOUNTS (6 ECTS)
This course introduces students to the:
- basic concepts, definitions and use of National Accounts
- relationship between National Accounts and economic theory
- international System of National Accounts (SNA) and the European System of Accounts (ESA)
- sources and methods of compiling National Accounts in Cyprus
- 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)
This 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, the student will review the international bibliography, prepare the theoretical part of his/her research project and make decisions about the data and the software that he/she 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 class examines the International Economy and the environment in which multinational corporations operate. It analyzes 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 class analyzes foreign exchange markets and the different strategies multinational corporations use to take advantage of opportunities.

ECO 408 ECONOMIC GROWTH (6 ECTS)
In this course we study the theories of the empirical research on economic growth. In particular, we study: (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, we will examine the data on economic growth, growth accounting, and the empirical analysis of a cross-section of countries.

ECO 415 GAME THEORY (6 ECTS)
The class develops and analyzes the basic principles of Game Theory. Game Theory considers decision making by strategically interacting agents. The class 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)
This 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 specialized econometric software are emphasized. Topics will be drawn from: (1) models of multiple equations, (2) models of limited dependent variables, (3) elements of time-series analysis and models for macro and financial data.

ECO 499 SEMINAR B (8 ECTS)
This course is the continuation of the research project begun in ECO 399 Seminar A. In this second part, the student is asked to use statistical data and software, and in general, to use his/her theoretical and applied knowledge to investigate economic problems of local or international interest. The student completes his/her research project, presenting results obtained to an audience of professors and students and writing up the research findings.
## Table A: Programme of Studies in Economics

### 1st Year

<table>
<thead>
<tr>
<th>Semester I</th>
<th>ECTS</th>
</tr>
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<tbody>
<tr>
<td>ECO 111 Principles of Microeconomics</td>
<td>7</td>
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<tr>
<td>MAS 001 Mathematics I</td>
<td>6</td>
</tr>
<tr>
<td>MAS 061 Statistical Analysis I</td>
<td>6</td>
</tr>
<tr>
<td>CS 003 Introduction to Computer Science</td>
<td>6</td>
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<tr>
<td>LAN 100 General Advanced English</td>
<td>5</td>
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</table>

<table>
<thead>
<tr>
<th>Semester II</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>ECO 121 Principles of Macroeconomics</td>
<td>7</td>
</tr>
<tr>
<td>ECO 213 Mathematics for Economists I (MAS 001)</td>
<td>7</td>
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<tr>
<td>LAN 101 Academic English</td>
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<td>One Elective</td>
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### 2nd Year

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<tr>
<td>ECO 211 Microeconomic Theory (ECO 111)</td>
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<td>ECO 212 Applications of Quantitative Methods in Economics (MAS 061)</td>
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<td>ECO 221 Macroeconomic Theory (ECO 121)</td>
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<td>ECO 223 Mathematics for Economists II (ECO 213)</td>
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<tr>
<th>Semester IV</th>
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<td>ECO 222 Introduction to Econometrics (ECO 212)</td>
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<td>ECO 301 Topics in Microeconomics (ECO 211)</td>
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<td>ECO 302 Topics in Macroeconomics (ECO 221)</td>
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<tr>
<td>ENG 210 Topics in English: Literature and Culture</td>
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### 3rd Year

<table>
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<tr>
<td>ECO 303 Econometrics (ECO 222)</td>
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<td>Three Restricted Electives (3X6)</td>
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<table>
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<tr>
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<tbody>
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<td>Five Restricted Electives (5X6)</td>
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### 4th Year

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<th>Semester VII</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 399 Seminar A</td>
<td>6</td>
</tr>
<tr>
<td>Three Restricted Electives (3X6)</td>
<td>18</td>
</tr>
<tr>
<td>One Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester VIII</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 499 Seminar B</td>
<td>8</td>
</tr>
<tr>
<td>Three Restricted Electives (3X6)</td>
<td>18</td>
</tr>
<tr>
<td>One Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

*Note: The courses in parentheses are prerequisites.*

## Table B: Restricted Electives Offered by the Department for the Degree in Economics

### Group A

*At least 6 courses from:*

- ECO 305 International Trade | 6
- ECO 306 International Finance | 6
- ECO 308 Economic Development | 6
- ECO 310 Money, Banking and Financial Markets | 6
- ECO 311 Labour Economics | 6
- ECO 312 Industrial Organisation | 6
- ECO 313 Public Economics | 6
- ECO 398 Topics on the Cyprus Economy | 6
- ECO 473 Applied Econometrics | 6

### Group B

*At least 3 courses from:*

- ECO 315 International Taxation and National Tax Policy | 6
- ECO 316 Economics of the European Union | 6
- ECO 320 History of Economic Thought | 6
- ECO 325 International Economic Relations | 6
- ECO 326 Urban and Regional Economics | 6
- ECO 327 Environmental Economics | 6
- ECO 331 Productivity and Technology | 6
- ECO 335 Contemporary Macroeconomic Issues | 6
- ECO 336 Theory of Economic Policy | 6
- ECO 339 Economic Development Policy | 6
- ECO 360 Monetary and Financial Institutions | 6
- ECO 361 Managerial Economics | 6
- ECO 362 Structure and Strategy of Firms | 6
- ECO 363 Economics of Regulation | 6
- ECO 391 National Accounts | 6
- ECO 405 Topics in International Economics | 6
- ECO 408 Economic Growth | 6
- ECO 415 Game Theory | 6
- ECO 416 Topics in European Economic Integration | 6
- ECO 421 Economics of Information and Contracts | 6

*Note: The list above is indicative and subject to modifications at the beginning of each semester. The number of restricted courses must be such to ensure that the degree requirements are satisfied. In particular, 151 ECTS must be fulfilled by courses in the Department of Economics. Some restricted electives may not be offered every year if enrollment is insufficient or if instructors are unavailable.*
### TABLE C: RESTRICTED ELECTIVES 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 electives offered by the Department</td>
<td></td>
</tr>
</tbody>
</table>

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

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

#### BASIC COURSES (42 ECTS)

<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 111 Principles of Microeconomics</td>
<td>7</td>
</tr>
<tr>
<td>ECO 121 Principles of Macroeconomics</td>
<td>7</td>
</tr>
<tr>
<td>ECO 211 Microeconomic Theory</td>
<td>7</td>
</tr>
<tr>
<td>ECO 212 Applications of Quantitative Methods in Economics</td>
<td>7</td>
</tr>
<tr>
<td>ECO 221 Macroeconomic Theory</td>
<td>7</td>
</tr>
<tr>
<td>ECO 222 Introduction to Econometrics</td>
<td>7</td>
</tr>
</tbody>
</table>

#### ELECTIVE COURSES (at least 18 ECTS)

**GROUP A**

<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 305 International Trade</td>
<td>6</td>
</tr>
<tr>
<td>ECO 306 International Finance</td>
<td>6</td>
</tr>
<tr>
<td>ECO 308 Economic Development</td>
<td>6</td>
</tr>
<tr>
<td>ECO 310 Money, Banking and Financial Markets</td>
<td>6</td>
</tr>
<tr>
<td>ECO 311 Labour Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECO 312 Industrial Organisation</td>
<td>6</td>
</tr>
<tr>
<td>ECO 313 Public Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECO 398 Topics on the Cyprus Economy</td>
<td>6</td>
</tr>
<tr>
<td>ECO 473 Applied Econometrics</td>
<td>6</td>
</tr>
</tbody>
</table>

**GROUP B**

At least 1 course from:

<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 315 International Taxation and National Tax Policy</td>
<td>6</td>
</tr>
<tr>
<td>ECO 316 Economics of the European Union</td>
<td>6</td>
</tr>
<tr>
<td>ECO 320 History of Economic Thought</td>
<td>6</td>
</tr>
<tr>
<td>ECO 325 International Economic Relations</td>
<td>6</td>
</tr>
<tr>
<td>ECO 326 Urban and Regional Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECO 327 Environmental Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECO 331 Productivity and Technology</td>
<td>6</td>
</tr>
<tr>
<td>ECO 335 Contemporary Macroeconomic Issues</td>
<td>6</td>
</tr>
<tr>
<td>ECO 336 Theory of Economic Policy</td>
<td>6</td>
</tr>
<tr>
<td>ECO 339 Economic Development Policy</td>
<td>6</td>
</tr>
<tr>
<td>ECO 360 Monetary and Financial Institutions</td>
<td>6</td>
</tr>
<tr>
<td>ECO 361 Managerial Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECO 362 Structure and Strategy of Firms</td>
<td>6</td>
</tr>
<tr>
<td>ECO 363 Economics of Regulation</td>
<td>6</td>
</tr>
<tr>
<td>ECO 391 National Accounts</td>
<td>6</td>
</tr>
<tr>
<td>ECO 405 Topics in International Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECO 408 Economic Growth</td>
<td>6</td>
</tr>
<tr>
<td>ECO 415 Game Theory</td>
<td>6</td>
</tr>
<tr>
<td>ECO 416 Topics in European Economic Integration</td>
<td>6</td>
</tr>
<tr>
<td>ECO 421 Economics of Information and Contracts</td>
<td>6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Titles</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester I</strong></td>
<td>ECO 111 Principles of Microeconomics</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>MAS 001 Mathematics I</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>MAS 061 Statistical Analysis I</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>CS 003 Introduction to Computer Science</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>LAN 100 General Advanced English</td>
<td>5</td>
</tr>
<tr>
<td><strong>Semester II</strong></td>
<td>ECO 121 Principles of Macroeconomics</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>ECO 213 Mathematics for Economists I (MAS 001)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>LAN 101 Academic English</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>SPS</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One Elective</td>
<td>5</td>
</tr>
<tr>
<td><strong>Semester III</strong></td>
<td>ECO 211 Microeconomic Theory (ECO 111)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>ECO 212 Applications of Quantitative Methods in Economics</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>HIS 181 Introduction to Modern European History (1789-1918)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Second European Language</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>PBA</td>
<td>6</td>
</tr>
<tr>
<td><strong>Semester IV</strong></td>
<td>ECO 221 Macroeconomic Theory (ECO 121)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>ECO 222 Introduction to Econometrics (ECO 212)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>ENG 210 Topics in English Literature and Culture</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Second European Language</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>SPS</td>
<td>6</td>
</tr>
<tr>
<td><strong>Semester V</strong></td>
<td>ECO 303 Econometrics (ECO 222)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Second European Language</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>SPS</td>
<td>6</td>
</tr>
<tr>
<td><strong>Semester VI</strong></td>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ECO</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PBA</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>One Elective</td>
<td>5</td>
</tr>
<tr>
<td><strong>Semester VII</strong></td>
<td>ECO 399 Seminar A</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ECO</td>
<td>6</td>
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<tr>
<td></td>
<td>ECO</td>
<td>6</td>
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<td></td>
<td>PBA</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One Elective</td>
<td>5</td>
</tr>
<tr>
<td><strong>Semester VIII</strong></td>
<td>ECO 499 Seminar B</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>ECO</td>
<td>6</td>
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<tr>
<td></td>
<td>ECO</td>
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<tr>
<td></td>
<td>PBA</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

Note: The courses in parentheses are prerequisites

### TABLE F: RESTRICTED ELECTIVES

<table>
<thead>
<tr>
<th>Department of Economics ECTS</th>
<th>Department of Social and Political Sciences</th>
<th>Department of Public and Business Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selection of nine courses from:</td>
<td>ECO 301 Topics in Microeconomics 7</td>
<td>Selection of four courses from:</td>
</tr>
<tr>
<td></td>
<td>ECO 302 Topics in Macroeconomics 7</td>
<td>PBA 111 Financial Accounting Principles 7</td>
</tr>
<tr>
<td></td>
<td>ECO 305 International Trade 6</td>
<td>PBA 222 Corporate Financial Management 7</td>
</tr>
<tr>
<td></td>
<td>ECO 306 International Finance 6</td>
<td>PBA 311 Financial Reporting 6</td>
</tr>
<tr>
<td></td>
<td>ECO 310 Money, Banking and Financial Markets 6</td>
<td>PBA 321 Advanced Corporate Finance 6</td>
</tr>
<tr>
<td></td>
<td>ECO 311 Labour Economics 6</td>
<td>PBA 322 Investments and Portfolio Management 6</td>
</tr>
<tr>
<td></td>
<td>ECO 312 Industrial Organisation 6</td>
<td>PBA 423 International Financial Management 6</td>
</tr>
<tr>
<td></td>
<td>ECO 313 Public Economics 6</td>
<td>Elective courses:</td>
</tr>
<tr>
<td></td>
<td>ECO 315 International Taxation and National Tax Policy 6</td>
<td>Four elective courses of 5 ECTS each</td>
</tr>
</tbody>
</table>
Department of Public and Business Administration
CHAIRPERSON
Andreas Soteriou

VICE CHAIRPERSON
George Kassini

PROFESSORS
Christakis Charalambous
Andreas Charitou
Leonidas C. Leonidou
Lenos Trigeorgis
Stavros A. Zenios

ASSOCIATE PROFESSORS
George Hadjinicolas
George Kassini
Errikos Kontoghiorghies
Andreas Soteriou
Nicos Vafeas
Hercules Vladimirou

ASSISTANT PROFESSORS
Irene Karamanou
Spiros Marzoukos
George Nishiotis
Eleni Stavrou-Costea
Marios Theodosiou

LECTURERS
Nicos Nicolaou
Alexia Panayiotou
INTRODUCTION

The modern business environment is undergoing a major transformation: Markets are becoming global, organisations 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. The 1980’s witnessed the transformation of industrialised nations from manufacturers of goods to producers 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 produce managers who will lead their enterprises through these exciting times. It offers an integrated programme of studies that emphasizes 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.

GOALS OF THE DEPARTMENT

The Department’s goal 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 goal 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 Science
- Marketing/Management

The degrees emphasize 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 a list specified by 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 at major international academic centres.

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 organise 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

In 1999, 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 and the Netherlands, while we have sent students to Spain, Greece, Belgium and the US. Within the same context, some of our faculty have visited Italy, Greece, Belgium and other countries and faculty from abroad have visited our Department. In 2001-2002, 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 SCIENCE
- MARKETING/MANAGEMENT

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 a list of courses specified by the Department.

The degree requirements are summarised as follows:

- **Foreign Language (15 ECTS)**
  3 courses in a foreign language (preferably English)

- **General Education (44 ECTS)**
  7 courses in Economics, Mathematics, Statistics, Computer Science

- **Electives (20 ECTS)**
  3-4 courses outside the major area of study and from at least two faculties of the University

- **Business Fundamentals (71 ECTS)**
  11 principle courses in various business disciplines

- **Business Breadth (30 ECTS)**
  5 courses in the School of Economics and Management, but not in the student’s area of concentration

- **Business Depth (48 ECTS)**
  8 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 and a third course (2 ECTS) from a list specified by the Department.

The general degree requirements are presented in Table A. A summary of the four-year programme of studies by semester is given in Table B. A breakdown of courses for the last two years of study by concentration (Accounting, Finance, Management Science, and Marketing / Management) is given in Table C.

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 program 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 IN BUSINESS FUNDAMENTALS
For other course descriptions in the various business disciplines see the Department’s Prospectus.

PBA 111 FINANCIAL ACCOUNTING PRINCIPLES
This 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
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
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
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
This 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 ORGANISATIONAL BEHAVIOUR
This course examines the impact that individuals, groups, and structure have on behaviour within an organisation. Topics covered include: individual behaviour, perceptions and individual decision-making, motivation theories, group behaviour and decision making, leadership, power and conflict, organisation structure and design, organisational culture, and organisational 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 optimization models. Emphasis is placed on developing quantitative decision support skills.

PBA 241 INTRODUCTION TO MANAGEMENT SCIENCE
This is 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
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
This 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.
### Table A: General Requirements of the Programme of Studies

<table>
<thead>
<tr>
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<td>LAN 101 Academic English</td>
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<td>LAN 201 Business Communication for Management</td>
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<td><strong>General Education</strong></td>
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<td>ECO 121 Principles of Macroeconomics</td>
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<td>CS 032 Computer Programming for Problem Solving</td>
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<tr>
<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>
<td>MAS 062 Statistical Analysis II</td>
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<td><strong>Business Fundamentals</strong></td>
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<td>PBA 131 Principles of Management</td>
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<td>CS 003 Introduction to Computer Science</td>
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<td>PBA 241 Introduction to Management Science</td>
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<td>PBA 251 Principles of Marketing</td>
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<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

#### FIRST YEAR

**Fall Semester**
- ECO 111 Principles of Microeconomics
- PBA 131 Principles of Management
- PBA 132 Information Systems in Business
- MAS 001 Mathematics I
- LAN 100 General Advanced English

**Spring Semester**
- ECO 121 Principles of Macroeconomics
- PBA 111 Financial Accounting Principles
- CS 003 Introduction to Computer Science
- MAS 002 Mathematics II
- LAN 101 Academic English

#### SECOND YEAR

**Fall Semester**
- PBA 211 Managerial and Cost Accounting
- PBA 241 Introduction to Management Science
- PBA 251 Principles of Marketing
- LAN 201 Business Communication for Management
- MAS 061 Statistical Analysis I

**Spring Semester**
- PBA 222 Corporate Financial Management
- PBA 231 Organisational Behaviour
- CS 032 Programming Methods for Problem Solving
- MAS 062 Statistical Analysis II
- One Elective

#### THIRD YEAR

**Fall Semester**
- Two Business Depth courses
- Two Business Breadth courses
- One Elective

**Spring Semester**
- Three Business Depth courses
- One Business Breadth course
- One Elective

#### FOURTH YEAR

**Fall Semester**
- Two Business Depth courses
- Two Business Breadth course
- Senior Thesis
- Business Elective from a restricted list

**Spring Semester**
- PBA 435 Business Policy
- One Business Depth course
- One Business Breadth course
- One Elective
- Senior Thesis
- Business Elective from a restricted list
### TABLE C: COURSES FOR THE LAST TWO YEARS BY CONCENTRATION

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<thead>
<tr>
<th>Accounting</th>
<th>ECTS</th>
<th>Management Science</th>
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<th>Marketing/Management</th>
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<td>PBA 242 Public Finance</td>
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<td>PBA 312 Advanced Managerial Accounting</td>
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<td>PBA 243 International Financial Management</td>
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<td>PBA 455 Seminar in Marketing/Management</td>
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<td>PBA 322 Investment and Portfolio Management</td>
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<td>PBA 323 Modern Capital Budgeting</td>
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<td>PBA 325 Options, Futures, and Risk Management</td>
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### TABLE D: REQUIREMENTS FOR A MINOR IN ACCOUNTING

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<td>PBA 344 Network Modeling and Dynamic Programming</td>
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<td>PBA 345 Management and Improvement of Quality</td>
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<td>PBA 440 Case Studies in Business Modeling</td>
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<td>PBA 442 Linear and Nonlinear Programming</td>
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| Finance Electives                                                                |      |                                                          |      |
| PBA 321 Advanced Corporate Finance                                               | 6    |                                                          |      |
| PBA 322 Investments and Portfolio Management                                      | 6    |                                                          |      |
| PBA 323 Modern Capital Budgeting                                                  | 6    |                                                          |      |
| PBA 325 Options, Futures, and Risk Management                                    | 6    |                                                          |      |
| PBA 421 Financial Policy                                                          | 6    |                                                          |      |
| PBA 423 International Financial Management                                       | 6    |                                                          |      |
| PBA 424 Financial Modeling                                                       | 6    |                                                          |      |
Department of Civil and Environmental Engineering
CHAIRPERSON
Panos Papanastasiou

PROFESSORS
Panos Papanastasiou
Christos Pantelides

ASSOCIATE PROFESSOR
Michalis Petrou

ASSISTANT PROFESSOR
Symeon Christodoulou

LECTURERS
Dimos Charmpis
Despo Fatta
Ioannis Ioannou
Petros Komodromos
Marina Neophytou
Panayiotis Roussis
Dimitrios Vamvatsikos
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 everyday, 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 emphasize 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 between 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 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 of the University of Cyprus 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 an undergraduate Bachelor of Science (B.S.) degree in Civil and Environmental Engineering.

DEGREE RECOGNITION

The degree (B.S.) in Civil and Environmental Engineering is fully recognized 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 recognize 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
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 Engineering or the B.S. in Civil and Environmental Engineering requires the completion of at least of 240 ECTS units, distributed as shown in the schedule of the CEE curriculum.

Students are awarded the B.Sc. in Civil and Environmental Engineering when they complete all the required CEE courses (195 ECTS), three electives (15 ECTS) and six restricted electives (30 ECTS). The electives should be taken from at least two different faculties of the University of Cyprus other than CEE and they are meant to expose the student to different disciplines. The restricted electives belong to a group of mainly CEE courses which are meant to offer specialization in advanced subjects within the CEE discipline.

Additionally, the six restricted electives must be distributed as follows:

Three (3) 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 475 Design of Hydraulic Systems

Three (3) 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 492 Independent Study
- CEE 493 Independent Study
- CEE 494 Advanced Topics in Environmental Engineering
- CEE 495 Advanced Topics in Environmental Engineering

Students may take only one Independent Study (CEE 492 or CEE 493) within the undergraduate programme, either in a fall or in a spring semester.

Under special circumstances and after prior approval by the Undergraduate Committee of the CEE Department, following a justified petition by the student, signed by his/her academic advisor, a student can be credited up to 5 ECTS units that correspond to restricted electives through courses offered by other departments, in addition to the 15 ECTS of the required electives, or through a graduate course offered by the Department of Civil and Environmental Engineering.

Within the terms of an exchange programme and only after prior approval by the Undergraduate Committee of the CEE Department, following a justified petition by the student, signed by his/her academic advisor, an undergraduate student can attend up to two semesters at another University with study load per semester ranging between 25 and 30 ECTS units.
A transferred undergraduate student can be credited up to 120 ECTS units from her/his undergraduate studies prior to the transfer after the approval by the Undergraduate Committee of the CEE Department, following a justified petition by the student, signed by his/her academic advisor.

### COURSE DESCRIPTIONS

#### Compulsory Courses

**CEE 100 Introduction to Civil Engineering**  
5 ECTS: 2-3-6  
This course consists of a series of lectures and labs on various engineering topics. Lectures: Engineering basics, Civil Engineering Profession, CEE program 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. Lab 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 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 113 Land Surveying**  
5 ECTS: 3-2-4  

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

**CEE 220 Structural Analysis II**  
5 ECTS: 3-0-6  
Prerequisite: CEE 131

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

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

**CEE 270 Fluid Mechanics for Civil and Environmental Engineers**  
5 ECTS: 3-0-6  
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.  
Prerequisites: PHY 111 and MAS 031

**CEE 272 Fluid Mechanics Laboratory**  
2.5 ECTS: 0-2-3  
Prerequisites: PHY 111 and MAS 031
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<td>Computer arithmetic. Approximation, round-off and</td>
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<tr>
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<td>truncation errors. Solution of nonlinear equations.</td>
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<td>Design of Reinforced Concrete Members</td>
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<td>Hydraulics</td>
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CEE 325 Computer-Aided Structural Analysis
5 ECTS: 3-0-6
Prerequisite: CEE 320

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

CEE 353 Foundation Engineering
5 ECTS: 3-0-6
Prerequisite: CEE 251

CEE 371 Hydrology
5 ECTS: 3-0-6

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

CEE 490 Capstone Design Project I
5 ECTS: 1-2-6
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 specialized 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.
Prerequisite: Senior status or advisor’s approval, CEE 341, CEE 342, CEE 353, ARH 331

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

CEE 491 Capstone Design Project II
10 ECTS: 1-2-13
This is the second semester of a two-semester senior capstone design experience in civil engineering. Lecture sessions will be used to present specialized 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 verbally presented and defended. The projects must be of sufficient depth and incorporate the state-of-the-art in the subject topics.
Prerequisite: Senior status or advisor’s approval, CEE 490

Restricted Electives

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

CEE 401 Software Development for Engineering Application
(Open elective course)
5 ECTS: 3-0-6
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 modeling, visualization and internet computing. Modern methodologies for designing and developing engineering simulators. Term project: Implementation of a software solution that addresses a practical engineering problem.

Prerequisites: CS 033 and CEE 201

CEE 411 Construction Management II
5 ECTS: 3-0-6

Prerequisite: CEE 310

CEE 426 Introduction to Finite Element Methods
5 ECTS: 3-0-6

Prerequisites: CEE 221 and CEE 230

CEE 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 470 Water Resource Management
5 ECTS: 3-0-6
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).

Prerequisites: CEE 370 and CEE 371

CEE 481 Environmental Impact Assessment
5 ECTS: 3-0-6

Prerequisite: CEE 181

CEE 492 Independent Study
5 ECTS: 0-0-10
Individual study, research, or laboratory investigation under faculty supervision.

Prerequisite: Undergraduate advisor’s approval

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

CEE 475 Design of Hydraulic Systems
5 ECTS: 3-0-6
Department of Civil and Environmental Engineering

5 ECTS: 3-0-6

Electives for Programme of Architecture

CEE 181 Fundamentals of Building Design
5 ECTS
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
Characterization of the constituents found in wastewater and in various solid waste streams. Introduction to process analysis. Physical, biological, chemical, and thermal treatment methods. Design of treatment facilities.
Prerequisite: CEE 181

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

CEE 493 Independent Study
5 ECTS: 0-0-10
Individual study, research, or laboratory investigations under faculty supervision.
Prerequisite: Undergraduate Advisor’s approval

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 497 Advanced Topics in Civil Engineering
5 ECTS: 3-0-6
Advanced and contemporary topics of special interest in Civil Engineering (Spring Term).
# Analytical Programme of Studies (240 ECTS)

## First Year

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<td>Civil Engineering Graphics</td>
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## Fourth Year

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## Elective Courses

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<td>CEE 431</td>
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Programme of Studies in Architecture

(Department of Civil and Environmental Engineering)
ACTING CHAIRPERSON
Marios C. Phocas

ASSISTANT PROFESSORS
Christos Hadjichristos
Marios C. Phocas
Panagiota I. Pyla

LECTURER
Sokrates Stratis

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 can hardly be overstated. Affecting both man 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 (ARH) 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 at the University of Cyprus 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 aim of the Department of Architecture is the education of students who will 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

While offering a clearly architectural programme of studies, the Course in Architecture is presently offered within the Department of Civil and Environmental Engineering. Regarding design as the common factor in all conceptual or other 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 course of study leading to the B.Sc. in Architecture requires the completion of at least 240 ECTS units. From these 240 ECTS units, at least 15 ECTS units should be electives (not included in the student’s specialization), which should be taken from two different faculties of the University of Cyprus, while 10 ECTS units should be taken from the programme of Foreign Languages.

The first four semesters introduce the subject through design studios of increasing architectural complexity which 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 the student 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 for choice regarding 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 (8 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 help students 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 and function for a site-specific project which asks for an architectural design within both social and environmental contexts, 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. The architecture student 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 civilizations. Concepts of space and form in Western and other civilizations.

ARH 120 Freehand Drawing (3 ECTS)
Sketching and drawing will introduce students to the basic elements of pictorial depiction and visual communication while familiarizing them with such basic media as pencil, ink, charcoal, watercolour. Line weight, surface rendering using shade and shadow lead to the study of depth and the use of perspective in sketching the built and natural environment.

ARH 121 Architectural Communication Media (5 ECTS)
Prerequisites: ARH 120 and ARH 122
Intermediate to advanced skills in architectural graphics. Exercises require the use of a variety of methods and media. Technical and freehand drawing, composition of three-dimensional sculptures and their description.

ARH 122 Technical Drawing (4 ECTS)
Graphic communication techniques for architects with an emphasis on methods which use descriptive geometry. Systems of projection for the production of plans, elevations and sections. Isometric drawings, orthogonal and oblique projections, perspectives, shade and shadow. Accompanying courses for the generation of drawings using computer-aided design software.

ARH 200 Architectural Design III (10 ECTS)
Prerequisite: ARH 101
Architectural design of a site-specific building of moderate complexity. Comprehensive application of design principles. Functional program, social context, materials, structure, methods of construction and site considerations. Studio supervision accompanied with relevant lectures from the instructors.

ARH 201 Architectural Design IV (10 ECTS)
Prerequisite: ARH 200
Design of a building complex with a specified functional program. 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 with relevant lectures from the instructors.

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 Computer-Aided Design (5 ECTS)
Prerequisite: ARH 121

ARH 230 Construction I (5 ECTS)
Construction design and detailing in masonry and timber. Basic principles of massive and skeleton construction. Structure, exterior walls and openings, foundations, floor and roof conditions. Case studies of manufacture, construction, assembly and historical development of masonry and timber as building materials.

ARH 233 Construction II (5 ECTS)
Prerequisite: ARH 230
ARH 241 History and Theory of Urban Planning (5 ECTS)
Principle characteristics and definitions of the urban environment, cultural and technological developments. Dynamics of forces involved in shaping the city. A historical survey of theories and approaches from Antiquity to the present. Case studies. Emphasis on contemporary developments in theory and design.

ARH 300 Architectural Design V - Urban Planning (10 ECTS)
Prerequisites: ARH 201 and ARH 241
Urban design project dealing with issues such as city-center revitalization, core and periphery relationships, the spatial dimension of social and economic groups, the old and the new, pedestrian and vehicular movement, urban syntax and semantics. Studio supervision accompanied with relevant lectures from the instructors.

ARH 301 Architectural Design VI - Architectural Technology (10 ECTS)
Prerequisites: ARH 300, ARH 330, ARH 332 and CEE 344
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 History and Theory - Cypriot Architecture (5 ECTS)
A course dealing with Cypriot architecture from Antiquity to the vernacular, including buildings which formed the character of city centers. Research, survey and documentation of indigenous architecture. Special features in construction, response to climatic conditions, formal and spatial composition, decoration and ornaments. Similarities and differences with vernacular architectures of neighbouring regions and with the situation in Cyprus today.

ARH 330 Construction III (5 ECTS)
Prerequisite: ARH 233

ARH 331 Building Technology (5 ECTS)
Classifications of building types, functional requirements and building regulations. Structural planning, vertical and horizontal load bearing systems, materials, construction, structure-function interaction.
Construction design, non-load bearing elements (inner walls, ceilings, building envelope, cladding, curtain walls). Technical development systems, heating, air conditioning, water supply, electrical, vertical transportation systems. Health and safety considerations.

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 341 Landscape Architecture (5 ECTS)
History and fundamentals of landscape design. The garden in antiquity, the Middle Ages, the Renaissance, the English Garden, landscape in non-Western cultures. Contemporary trends. Small exercises/projects involving landscape interventions in context.

ARH 400 Architectural Design VII (10 ECTS)
Prerequisite: ARH 301
Advanced architectural design where the student is encouraged to examine the brief or program and analyze 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 his/her interests, the student has the chance to select a specific project approved by the instructor.

ARH 401 Architectural Design VIII (15 ECTS)
Prerequisite: ARH 400
The student is asked to research a topic of his/her interest, form a program and develop a design proposal which will be judged for its soundness regarding all aspects of architecture, for its qualitative as well as quantitative efficiency, and for the defense of what it implies or promotes.

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)

Electives

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 Theoretical Constructions and Architecture (5 ECTS)
The course will introduce the student to basic theoretical and philosophical concepts and the way these are related to architectural thought and design. Idealism, philosophical aesthetics, constructivism, phenomenology, structuralism, post-structuralism and deconstructivism are thus examined and related to the work in different architectural periods, styles or to the work of individual designers.

ARH 413 The Modern Movement (5 ECTS)
Prerequisite: ARH 210
Theories and manifestoes of the modern movement in architecture. Achievements and failures. The social agenda. The characteristics of style. The cult of Domesticity, gender and modernity in society and in architectural practice.

ARH 420 Portraits of Architecture (5 ECTS)
A course which examines the way architecture has been 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
A course for the already CAD-literate. 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 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 Architecture and the Tourism Industry (5 ECTS)
A critical examination of the symbiotic relationship between tourism and architecture. The vernacular, regionalism, the Disneyland effect, economic, cultural and social considerations. The visitor and the resident in the urban setting, the village and the resort.

ARH 441 City Centres (5 ECTS)
Prerequisite: ARH 241
Characteristics of the city nucleus, identification of problems, revitalization, remedies, relationship to periphery, architectural heritage and the new.

General Electives 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.
## Programme of Studies in Architecture

### Analytical Programme of Studies

#### First Year

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## Elective Courses

### Fall Semester
- ARH 402 Special Topics in Architecture I | 5
- ARH 412 Theoretical Constructions and Architecture | 5
- ARH 420 Portraits of Architecture | 5
- ARH 430 Earthquake-Resistant Building Design | 5
- ARH 440 Architecture and the Tourism Industry | 5

### Spring Semester
- ARH 403 Special Topics in Architecture II | 5
- ARH 413 The Modern Movement | 5
- ARH 421 Advanced Computer-Aided Design | 5
- ARH 431 Bioclimatic Design | 5
- ARH 441 City Centres | 5
Department of Electrical and Computer Engineering
CHAIRPERSON
Marios Polycarpou

PROFESSOR
Marios Polycarpou

ASSOCIATE PROFESSORS
Charalambos Charalambous
Christoforos Hadjicostis
Stavros Iezekiel

ASSISTANT PROFESSORS
  George Ellinas
  George Georgiou
  Maria K. Michael
  Chistos Panayiotou
  Constantinos Pitris

LECTURERS
  Julio Georgiou
  Elias Kyriakides
  Theocharis Theocharides
  Stavros Toumpis
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 (ECE) is one of the departments of the newly established Faculty of Engineering at the University of Cyprus. The ECE Department began admitting undergraduate and postgraduate doctoral students in September 2003. The Master 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 emphasize 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 computing 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 DEGREE PROGRAMME
The Department offers undergraduate degrees in the following two areas of concentration:
- B.Sc. in Electrical Engineering
- B.Sc. in Computer Engineering

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 2nd 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 specialization 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.

Completion of an undergraduate degree in either Electrical Engineering or Computer Engineering requires completion of at least 240 credit units (ECTS). Of these, 15 ECTS should be electives (not included in the student’s specialization), which should be taken from at least two different faculties of the University of Cyprus.

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
computerized equipment and instruments to solve technical problems in diverse application domains.

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 6 technical elective courses (36 ECTS), including 3 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

Required Courses

ECE 100 Introduction to Design and Engineering (7 ECTS)
This course consists of a series of lectures and labs. Lectures: Engineering basics; ECE programme of study; Engineering design principles; Time management and learning styles; Teamwork; Basic electronics and computing; Library skills; Engineering ethics; Social implications; Academic advisors; Future trends in technology. Lab Topics: Basics of computer use; Basic electronics lab/demo; Fiber optics and lasers demo; aerodynamics demo; engineering stress demo; inverted pendulum demo; RoboLab: robot design and programming, design competition.

ECE 102 Electrical Circuits and Networks (7 ECTS)

ECE 203 Circuits and Measurements Lab (5 ECTS)
(Prerequisite ECE 102)

ECE 205 Electronic Circuits and Networks I (6 ECTS)
(Prerequisite ECE 102)

ECE 210 Digital Logic Design (6 ECTS)
Digital number systems and information representation; arithmetic operations, decimal and alphanumeric 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 minimization (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 Lab (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 program 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 Lab (3 ECTS)
(Co-requisite ECE 212)
Hands-on experience with data representation in digital computers, the
stored program 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)
(Prerequisites 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 Circuits and Networks II (5 ECTS)
(Prerequisite ECE 205)
Amplifier analysis and frequency response. Frequency response of
transistor amplifiers, bipolar transistors, FET and high frequency
response of amplifier circuits. Basic electronic circuits: power
transistor, classes of transistors and push-pull transistors. Basic
operational amplifier circuits: Ideal op-amp, inverter and non-inverting
amplifiers, summing amplifier, op-amp applications and circuit design.
Current sources and circuits with active loads, small signal analysis.
Differential and multistage amplifiers: Basic BJT and FET differential
pair, differential amplifier with active load, BiCMOS circuits, gain stage
and simple output stage, differential amplifier frequency response.
Feedback amplifiers and feedback topologies, loop gain, stability of
feedback circuits and frequency compensation. Op-amp circuits:
Bipolar, BiCMOS, JFET, CMOS, voltage regulators. Application: Active
filters, oscillators, Schmitt Trigger circuits, nonsinusoidal oscillators and
timing circuits, IC power amplifiers.

ECE 306 Electronic Devices Lab (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
synchronization; 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)
(Prereqisites 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 optimization 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 optimization, 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 behavior. 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, uninterruptable 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.

Electives 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 analyzes 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.
<table>
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<tr>
<th>Course Code</th>
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<td>PBA 335</td>
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# Programme of Studies for Electrical Engineering

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<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
<th>ECTS</th>
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| **First Year** | **Fall Semester**  
PHY 131 General Physics I  
MAS 021 Calculus I  
BIO 101 Intro to Modern Biology  
ECE 100 Intro to Design and Engineering  
LAN 100 General Advanced English | **Spring 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 | 6   | 6   |
|             | **Third Year**  
Fall Semester  
ECE 305 Electronic Circuits and Networks II  
ECE 320 Signals and Systems II  
ECE 325 Iterative Methods  
ECE 331 Electromagnetic Fields  
Elective I | Spring Semester  
ECE 306 Electronic Devices Lab  
ECE 324 Intro to Random Signals and Systems  
ECE 333 Electromagnetic and Optical Engineering  
ECE 340 Power Engineering  
ECE 359 Intro to Communication Systems  
Elective II | 5   | 5   |
|             | **Second Year**  
Fall Semester  
MAS 023 Mathematics III  
CS 035 Data Structures and Algorithms  
ECE 203 Circuits and Measurements Lab  
ECE 210 Digital Logic Design  
ECE 211 Digital Systems Lab | Spring Semester  
PHY 133 General Physics III  
MAS 024 Mathematics IV  
ECE 205 Electronic Circuits and Networks I  
ECE 212 Computer Organization and Microprocessors  
ECE 213 Computer Organization and Microprocessors Lab | 6   | 6   |
|             | **Fourth Year**  
Fall Semester  
ECE 401 Capstone Design Project  
PBA 335 Entrepreneurship Management  
ECE Technical Elective  
ECE Technical Elective  
ECE Technical Elective | Spring Semester  
ECE 402 Capstone Design Project  
ECE Technical Elective  
ECE Technical Elective  
ECE Technical Elective | 7   | 7   |
|             | **Fourth Year**  
Fall Semester  
ECE 401 Capstone Design Project  
PBA 335 Entrepreneurship Management  
ECE Technical Elective  
ECE Technical Elective  
ECE Technical Elective | Spring Semester  
ECE 402 Capstone Design Project  
ECE Technical Elective  
ECE Technical Elective  
ECE Technical Elective | 7   | 7   |
|             | **Fourth Year**  
Fall Semester  
ECE 401 Capstone Design Project  
PBA 335 Entrepreneurship Management  
ECE Technical Elective  
ECE Technical Elective  
ECE Technical Elective | Spring Semester  
ECE 402 Capstone Design Project  
ECE Technical Elective  
ECE Technical Elective  
ECE Technical Elective | 7   | 7   |
|             | **Fourth Year**  
Fall Semester  
ECE 401 Capstone Design Project  
PBA 335 Entrepreneurship Management  
ECE Technical Elective  
ECE Technical Elective  
ECE Technical Elective | Spring Semester  
ECE 402 Capstone Design Project  
ECE Technical Elective  
ECE Technical Elective  
ECE Technical Elective | 7   | 7   |
## Technical Electives

<table>
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<tr>
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<td>Microprocessor Systems</td>
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<td>Power System Analysis</td>
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<td>Performance Evaluation of Computers and Networks</td>
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Department of Mechanical and Manufacturing Engineering
CHAIRPERSON
Ioannis Giapintzakis

VICE CHAIRPERSON
Charalabos Doumanidis

PROFESSORS
Andreas Alexandrou
Charalabos Doumanidis

ASSOCIATE PROFESSOR
Ioannis Giapintzakis

ASSISTANT PROFESSORS
Michalis A. Averkiou
Christakis Constantinides
Stavros Kassinos
Claus G. Rebholz

LECTURERS
Theodora Krasia – Christoforou
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INTRODUCTION
Mechanical and Manufacturing Engineering is a key discipline and one which impacts on nearly every aspect of daily life and which 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 provides a high quality undergraduate degree programme. This programme emphasizes 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 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.

MECHANICAL AND MANUFACTURING ENGINEERING

The programme of studies at the University of Cyprus is 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 required is 240 ECTS. Out of this minimum number of credit units, 15 ECTS should be elective courses (not included in the student’s specialization) from two different faculties of the University of Cyprus, 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 that are 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 is required to choose a project from any of 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, electives 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 Modeling and Controls
- Design, Manufacture, Automations and Robotics
- Micro- and Nano-technology
- Biomedical Engineering and Biotechnology
- Computational Mechanics

COURSE DESCRIPTIONS

Required Courses

MME 101 Project: Technology and Society I (6 ECTS)
This project-based course 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. No prerequisites.

MME 102 Project: Technology and Society II (6 ECTS)
Continuation of the course “Project: Technology and Society I.” Prerequisite: MME 101.

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; Polarization. No prerequisites.

MME 111 Introduction to Computers for Engineers (6 ECTS)
This 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. No prerequisites.

MME 121 Introduction to Mechanics and Thermodynamics (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; Temperature and heat; Thermal properties of matter; The first law of thermodynamics. No prerequisites.

MME 141 Computer-Aided Design (6 ECTS)
This basic course in engineering graphical communication 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 modeling. No prerequisites.

MME 211 Thermodynamics (6 ECTS)
This course introduces the modeling 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. Prerequisites: MAS 031 and MME 121.

MME 212 Fluid Mechanics (6 ECTS)
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. Prerequisite: MAS 031.

MME 221 Introduction to Modeling and Analysis of Dynamic Systems (6 ECTS)
The idea behind this course is to use a unified approach for abstracting real mechanical, fluid, and electrical systems into proper models in graphical and state equation form to meet engineering design and control system objectives. System analysis tools are used to calculate characteristics of system behavior and to determine the correctness of the modeling assumptions. The analysis is also carried out using Matlab/Simulink through numerical methods. Topics covered: Lump parameter models; Mechanical and rigid body models; Electrical and hydraulic models; Interconnections; State equations; Linear system analysis; Laplace transforms; Transfer functions; Time and frequency response; Poles, zeros and stability. Prerequisites: LAN 104, MAS 031 and MME 121.
MME 231 Stress Analysis (6 ECTS)
Energy methods; buckling of columns, including approximate methods; bending of beams of unsymmetrical cross-section; shear center and torsion of thin-walled sections; membrane stresses in axisymmetric shells; elastic-plastic bending and torsion; axisymmetric bending of circular plates.
Prerequisite: MME 121.

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 analyzed. 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 analyzed, and finally a brief description on waste-treatment (Biological and chemical treatment) is given.
No prerequisites.

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 lab experiments that introduce students to differences among materials.
Prerequisite: MME 121.

MME 261 Mechatronics and Automated Systems (6 ECTS)
The first part of the course introduces students to analogue and digital electronics, 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 linear time invariant systems. Sampling theory, Shannon’s theorem and restoration of signals are also briefly discussed. Topics covered: Analogue and Digital Electronics; Feedback and basic control systems; Frequency response, transfer functions of amplifier circuits; Operational Amplifiers, differential amplifiers and cascade system; Frequency response (Bode plots); Switched capacitor and switched current circuits; Gates, Boolean logic, bipolar circuits, transistor-transistor logic (TTL); Single phase and three-phase systems, transformers and power electronics, other mechanical devices and systems; Signal analysis Analog-Digital-Converters; Sampling theorem, signal restoration.
Prerequisites: MAS 031, MAS 033 and MME 103.

MME 311 Numerical Methods (6 ECTS)
This course is 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.
Prerequisites: MAS 032, MAS 033 and MME 111.

MME 312 Heat Transfer (6 ECTS)
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.
Prerequisites: LAN 104, MAS 033, MME 211 and MME 212.

MME 313 Energy Conversion Systems (6 ECTS)
This 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.
Prerequisite: MME 312.

MME 321 Computer Control Systems (6 ECTS)
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.
Prerequisites: MME 111, MME 261 and MME 331.

MME 331 Vibrations and Acoustics (6 ECTS)
This is an introductory course on vibrations and acoustics. In the vibrations part of the course, basic procedures of modeling 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 characterizing the behavior of free and forced vibrations. The vibrations part of the course 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.
Prerequisites: MAS 032, MAS 033 and MME 221.

MME 332 Physiology and Bioengineering (6 ECTS)
This course recognizes 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. Topics covered: The cell: morphology and function; Biochemistry; Excitable membranes and ion transport mechanisms; Cardiovascular system and muscles; Respiratory physiology; Gastrointestinal system; Biosignals: recordings, analysis and processing; Sensors; Biomedical imaging and ultrasound; Respiratory and cardiovascular laboratory; Exercise physiology.

Prerequisites: MAS 033, MAS 034 and MME 103.

MME 341 Design and Manufacturing (6 ECTS)
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.

Prerequisites: LAN 104, MAS 032, MME 141 and MME 252.

MME 342 Manufacturing Processes (6 ECTS)
This course will take a broad look at the various manufacturing processes for available engineering materials, and will emphasize 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 lecture 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.

Prerequisite: MME 341.

MME 343 Machine Elements (6 ECTS)

Prerequisites: MME 121 and MME 231.

MME 344 Mechanical Design (6 ECTS)

Prerequisites: MME 141 and MME 343.

MME 400 Capstone Design I (7 ECTS)
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.

Prerequisite: Three years of mechanical engineering education.

MME 401 Capstone Design II (8 ECTS)
Continuation of the course “Capstone Design I.”

Prerequisite: MME 400.

Technical Elective Courses

MME 411 Refrigeration, Heating, and Air-conditioning (6 ECTS)
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.

Prerequisite: MME 312.

MME 412 Advanced Computational Mechanics (6 ECTS)
This 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.

Prerequisites: MME 111 and MME 311.

MME 421 Advanced Dynamics and Vibrations (6 ECTS)
This course studies the motion of rigid body systems and multi-degree of freedom lumped parameter systems. The equations of motion are
Prerequisite: MME 252.

This 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 behavior 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 analyzed. In the second part, different methods used in polymer processing such as mixing, reinforcement, molding, etc. are discussed.

Prerequisite: MME 252.

MME 431 Engineering Acoustics (6 ECTS)
This course is an introduction to physical acoustics for engineering and science majors. It gives the physical basis for many problems found in a variety of engineering applications including biomedical ultrasound, room acoustics, sonar, and sound propagation in gasses and fluids. This first course covers: Plane waves in fluids; Transient and steady-state reflection and transmission; Lumped elements; Refraction, Strings, membranes, and rooms; Absorption and dispersion; Spherical and cylindrical waves.
Prerequisite: MME 331.

MME 432 Introduction to Medical Imaging (6 ECTS)
This introductory course is 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, ultrasonic, 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).
Prerequisites: LAN 104, MAS 031, MAS 033 and MME 103.

MME 451 Structural and Morphological Characterization of Materials (6 ECTS)
This is an introductory course on structural and morphological characterization 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 lab experiments that introduce students to the experimental procedure of materials characterization.
Prerequisite: MME 252.

MME 452 Mechanical Properties of Polymers and Polymer Processing (6 ECTS)
This 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 behavior 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 analyzed. In the second part, different methods used in polymer processing such as mixing, reinforcement, molding, etc. are discussed.
Prerequisite: MME 252.

MME 461 Nano-scale Mechanics and Thermodynamics (6 ECTS)
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 analyze 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.
Prerequisites: MAS 034, MME 211 and MME 331.

MME 462 Science of Solid Materials (6 ECTS)
The objective of this course is the comprehension 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.
Prerequisites: MME 103, MME 211 and MME 252.

MME 463 Introduction to the Physical Principles, Design and Fabrication of MEMs (6 ECTS)
This course is 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.
Prerequisites: LAN 104, MME 103, MME 221, MME 231 and MME 312.
## PROGRAMME OF STUDIES

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<tr>
<td>MME 401</td>
<td>8</td>
<td>Capstone Design II</td>
<td></td>
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<tr>
<td>MME 4XX</td>
<td>6</td>
<td>Technical Elective</td>
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<td>MME 4XX</td>
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<td>4XX</td>
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<tr>
<td></td>
<td>4XX</td>
<td>Elective</td>
<td></td>
</tr>
</tbody>
</table>
Department of Byzantine and Modern Greek Studies
CHAIRPERSON
Dimitris Angelatos

VICE CHAIRPERSON
Michalis Pieris

PROFESSORS
Panagiotis Agapitos
Dimitris Angelatos
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Eleftherios Papaleontiou
Alexandra Samuel

LECTURERS
Antonia Giannouli
Tassos Kaplanis
Stavroula Konstantinou
INTRODUCTION

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 is interested in 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; and (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 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 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. Among these 45 courses, 4 courses are University electives and 3 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 are divided as follows: (a) obligatory introductions to the core subjects of the Department (see relevant descriptions); (b) other courses in either lecture or seminar form, surveying or examining in depth selected topics. Twenty-six (26) courses of the B.A. programme are of an overall literary/philological nature (see § 4-8), while the remaining courses cover the following subjects: Linguistics, History and Philosophy (§ 9-12).

The specific 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 the postgraduate level. They are also qualified to seek employment in the public sector, 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 Humanities and Social Sciences). These courses familiarise future 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 the language subjects at school.

STRUCTURE AND ORGANISATION OF THE PROGRAMME

1. The undergraduate programme of studies offers courses at three levels. Thus, BMG 100-199 Obligatory Introductory Courses, BMG 200-299 Lectures, BMG 300-399 Seminars. The course codes BMG 001-099 are used for courses that may be taken as electives by students of other departments. For the distribution of the course codes, see Table II and for the distribution of courses per semester, see Tables III and IV.

2. In order to obtain the B.A. in Byzantine and Modern Greek Language and Literature, students must attend 45 courses in order to complete a total of 240 ECTS. Students must attend ten obligatory courses, which correspond to 5 ECTS each (10X5=50 ECTS). Seven of these obligatory courses are offered by the Department: BMG 100 (1st semester), BMG 120 (1st semester), BMG 110 (2nd semester), BMG 130 (2nd semester), BMG 135 (8th semester), BMG 141 (2nd semester), BMG 150 (1st semester). The remaining three obligatory courses are offered by the Department of Classics and Philosophy (see § 3). In addition, students must attend three seminars of 10 ECTS each (3X10=30 ECTS) and thirty-two other courses of 5 ECTS each (32X5=160 ECTS).

3. In the 1st semester of their studies students must also take the following courses from the programme of Classical Studies (AEF stands for Classical Greek and LAT for Latin): AEF 101 - Introduction to Classical Scholarship, AEF 131 - Ancient Greek Prose Composition, LAT 195 - Latin Prose Composition.

4. BYZANTINE PHILOLOGY: Students must attend two obligatory courses in Byzantine Philology, namely BMG 100 and BMG 110. Apart from this basic foundation, students are required to select a course in one of the three core divisions...
of Byzantine Literature (see Table II). Courses covering more than one (see General Topics) of these core divisions may satisfy the above requirement with respect to only one of the core divisions. In addition, students must attend one seminar in Byzantine Philology (see § 13).

5. MODERN GREEK LITERATURE: Students must attend the following obligatory courses in Modern Greek Philology; BMG 120, BMG 135 and BMG 140. There is the additional requirement that students select a course from each of the seven core divisions of Modern Greek Literature - a total of seven courses (see General Topics in Table II). Courses covering more than one of these core divisions may satisfy the above requirement with respect to only one. Moreover, students must attend two seminars in Modern Greek Literature (see § 13).

6. THEORY OF LITERATURE - COMPARATIVE LITERATURE: Students must attend two courses in the Theory of Literature/Comparative Literature: the introductory course BMG 130 (2nd semester) and an advanced course with a course code in the range of BMG 273-281 (after the 4th semester).

7. ANCIENT GREEK PHILOLOGY: Besides the introductory course AEF 101 and the related Readings in Classical Greek (AEF 131), students must attend four 200-level courses (depending on the prerequisites) from those offered by the Department of Classics and Philosophy.

8. LATIN PHILOLOGY: Besides 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 pass the courses in Latin Literature by the 4th semester of their studies.

9. LINGUISTICS: Apart from the obligatory introductory course BMG 150, students must select three more linguistics courses related to the three areas of Linguistics (see Table II); no more than two courses from each area should be selected.

10. 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.

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 electives one course in Byzantine Archaeology and one in Modern or Contemporary Art from those offered in the Department of History and Archaeology.

12. PHILOSOPHY: Students must take two Philosophy courses from the Department of Classics and Philosophy.

13. 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 obligatory courses of the Programme of Studies (except BMG 135) as well as at least two courses in the subject of the seminar.

14. ELECTIVES: Students must take four electives. Students are advised to take their electives from the 4th semester of their studies onwards. At least one of the four options has to be from another faculty of the University (See § 11).

15. FOREIGN LANGUAGE: Students must take three courses in a foreign language as specified in Table III. All three courses must be in the same foreign language.

DESCRIPTION OF OBLIGATORY 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. Familiarizes students with the use of reference works (dictionaries, grammars, text books, etc.). A variety of passages are studied and translated in Modern Greek while other passages are read in Modern Greek translations. The selected texts cover a wide range of literary genres and stylistic levels from the 1st to the 15th centuries inclusive.

BMG 110 INTRODUCTION TO GREEK 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.

BNE 135 HISTORY OF MODERN GREEK LITERATURE
The course aims at familiarizing students with the history of Modern Greek Literature through representative texts covering the period from the fifteenth century A.D. onwards. The course examines the period between the fall of Constantinople (1453) and the fall of Crete (1669), the 18th century (Enlightenment), poetry, prose and literary criticism in the 19th and 20th centuries. In the first semester students are given a list of literary texts and essays as a preliminary bibliography for attending this course in the final semester of their studies.

BMG 141 INTRODUCTION TO MODERN GREEK METRICS
The course examines Modern Greek traditional metres as well as the development of free verse.

BMG 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.
### TABLE I: PROGRAMME OF STUDIES

<table>
<thead>
<tr>
<th>Courses</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ancient Greek Philology</td>
<td>30</td>
</tr>
<tr>
<td>Byzantine Philology</td>
<td>35</td>
</tr>
<tr>
<td>Modern Greek Philology</td>
<td>70</td>
</tr>
<tr>
<td>Latin Philology</td>
<td>10</td>
</tr>
<tr>
<td>Theory of Literature and Comparative Literature</td>
<td>10</td>
</tr>
<tr>
<td>Linguistics</td>
<td>20</td>
</tr>
<tr>
<td>History</td>
<td>20</td>
</tr>
<tr>
<td>Philosophy</td>
<td>10</td>
</tr>
<tr>
<td>Electives</td>
<td>20</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>45</strong></td>
</tr>
</tbody>
</table>

**NOTE:**
- \(o\) = Obligatory Introductory Course
- \(c\) = Course
- \(s\) = Seminar

### TABLE II: STRUCTURE OF DEGREE PROGRAMME

#### Obligatory Introductory Courses (5 ECTS each)
- 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 135 History of Modern Greek Literature
- BMG 141 Introduction to Modern Greek Metrics
- BMG 150 Introduction to Theoretical Linguistics

#### 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
- BMG 282-299 Linguistics
- BMG 282-289 Theoretical Linguistics
- BMG 290-299 Other Branches of Linguistics

#### Courses for the Department of Education
- BMG 090 Introduction to Modern Greek Literature
- BMG 091 Modern Greek Literature I
- BMG 092 Modern Greek Literature II
- BMG 093 Introduction to Modern Greek Language I

#### Seminars (10 ECTS each)
- BMG 301-324 Byzantine Philology
- BMG 325-381 Modern Greek Philology, Theory of Literature, Comparative Literature

#### Electives (5 ECTS each)
- BMG 001-020 Byzantine Philology
- BMG 021-050 Modern Greek Literature
- BMG 051-074 Theory of Literature and Comparative Literature
- BMG 075-089 Linguistics
- BMG 090-099 Obligatory courses offered to other Departments (EDU)
### Table III: Detailed Programme of Studies per Semester

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Semester</td>
<td>BMG 100 Introduction to Byzantine Literature</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BMG120 Introduction to Modern Greek Literature</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BMG 150 Introduction to Theoretical Linguistics</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AEF 101 Introduction to Classical Scholarship</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AEF 131 Ancient Greek Prose Composition</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>LAT 195 Latin Prose Composition</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ECTS</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td>2nd Semester</td>
<td>BMG 110 Introduction to Greek Palaeography</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BMG 130 Introduction to the Theory of Literature</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BMG 140 Introduction to Modern Greek Metrics</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>LAT 267-299 Course in Latin Philology</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AEF 206-256 Course in Ancient Greek Philology</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BMG 2.. Course in Modern Greek Literature, Byzantine Philology or Linguistics</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ECTS</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd Semester</td>
<td>BMG 2.. Course in Modern Greek Literature</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BMG 2.. Course in Byzantine Literature</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Foreign Language</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>AEF 206-256 Course in Ancient Greek Philology</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ECTS</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td><strong>Third Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5th Semester</td>
<td>Elective Course</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>HIS 144/112 Introduction to Ancient/Byzantine History (depending on the courses offered by the Department HIS/ARC)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ECTS</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td>6th Semester</td>
<td>1. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>2. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>3. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>4. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>5. BMG 3.. Seminar in Modern Greek Literature or Byzantine Philology</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ECTS</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td><strong>Fourth Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7th Semester</td>
<td>1. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>2. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>3. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>4. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>5. BMG 3.. Seminar in Modern Greek Literature or Byzantine Philology</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ECTS</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td>8th Semester</td>
<td>1. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>2. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>3. (One choice from Table IV)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BMG 135 History of Modern Greek Literature</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BMG 3.. Seminar in Modern Greek Literature or Byzantine Philology</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ECTS</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

**Note:**

From the 5th to the 8th semester of their studies, students attend 5 or 6 courses per semester, which are a combination of level-200 courses and seminars as follows:

(a) four level-200 courses

\[
(4 \times 5 = 20 \text{ ECTS}) + \text{ one seminar } \\
(1 \times 10 = 10 \text{ ECTS})
\]

(b) six level-200 courses

\[
(6 \times 5 = 30 \text{ ECTS})
\]

Thus each semester comprises precisely 30 ECTS.
TABLE IV: SET OF COURSES WHICH MUST BE SELECTED BY STUDENTS DURING THE 3RD AND 4TH YEAR OF THEIR STUDIES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMG 135</td>
<td>History of Modern Greek Literature</td>
</tr>
<tr>
<td>BMG 201-224</td>
<td>Courses in Byzantine Philology</td>
</tr>
<tr>
<td></td>
<td>(2 courses in Byzantine Philology if the students have already taken a course in Byzantine Philology in the 2nd semester of their studies. Alternatively, 3 courses in Byzantine Philology)*</td>
</tr>
<tr>
<td>BMG 225-272</td>
<td>Courses in Modern Greek Literature</td>
</tr>
<tr>
<td></td>
<td>(6 courses in Modern Greek Literature if the students have already taken a course in Modern Greek Literature in the 2nd semester of their studies. Alternatively, 7 courses in Modern Greek Literature)*</td>
</tr>
<tr>
<td>BMG 282-299</td>
<td>Courses in Linguistics</td>
</tr>
<tr>
<td></td>
<td>(2 Linguistics courses if the students have already taken a Linguistics course in Byzantine Philology in the 2nd semester of their studies. Alternatively, 3 Linguistics courses)*</td>
</tr>
<tr>
<td>BMG 301 - 324</td>
<td>Seminar in Byzantine Philology</td>
</tr>
<tr>
<td>BMG 325 - 381</td>
<td>Two Seminars in Modern Greek Literature</td>
</tr>
<tr>
<td>AEF 206-256</td>
<td>Course in Ancient Greek Philology</td>
</tr>
<tr>
<td>HIS 181</td>
<td>Introduction to Modern European History (1789-1918)</td>
</tr>
<tr>
<td>HIS 108</td>
<td>Introduction to Modern Greek History</td>
</tr>
<tr>
<td>PHIL 101-104</td>
<td>Introductory Course in Philosophy</td>
</tr>
<tr>
<td>PHIL 200-294</td>
<td>Course in Philosophy</td>
</tr>
<tr>
<td></td>
<td>Three Elective Courses (3X5=15ECTS)</td>
</tr>
<tr>
<td></td>
<td>Foreign Language</td>
</tr>
</tbody>
</table>

* Note: Regarding the restrictions concerning the selection of the courses, see Structure and Organization of the Programme (point 4 for Byzantine Philology, point 5 for Modern Greek Literature and point 9 for Linguistics).
Department of Classics and Philosophy
CHAIRPERSON
Anna Panayotou–Triantaphyllopoulou

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Dimitris I. Papadis

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Ioannis Taifacos

ASSOCIATE PROFESSORS
Dimitris I. Papadis
Antonios Tsakmakis

ASSISTANT PROFESSORS
Eleni Kalokairinou
Dimitris Portides
Georgios Xenis

LECTURERS
Dimokritos Kaltsas
Spyridon Tzounakas
Maria Ypsilanti
THE DEPARTMENT’S 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 mass media. They may also wish to undertake postgraduate study with a view to further specialization.

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 specialization 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 prioritized 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 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 of Undergraduate Studies in Classics consists of 44 courses (240 ECTS). (Every credit unit corresponds to 25-30 hours of study by the student.) More specifically:

- 13 courses in Ancient Greek Literature
- 8 courses in Latin Literature
- 1 course in Byzantine Literature (BMG 100) offered by the Department of Byzantine and Modern Greek Studies (BMG)
- 6 courses in Modern Greek Literature (from the courses offered by BMG)
- 4 courses in Linguistics (including BMG 150)
- 4 courses in History (from the courses offered by the Department of History and Archaeology)
- 2 courses in Philosophy
- 3 electives
- 3 courses in a foreign language (from the courses offered by the Language Centre)

PROGRAMME IN PHILOSOPHY

The Programme 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 also 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; this ensures that graduates possess a broad academic background enabling them to work in Secondary Education.

STRUCTURE OF THE PROGRAMME IN PHILOSOPHY

The Programme of Undergraduate Studies in Philosophy consists of 44 courses (240 ECTS). More specifically:

- 18 courses in Philosophy
- 6 courses in Ancient Greek Literature
- 3 courses in Latin Literature
- 3 courses in History (from the courses offered by the Department of History and Archaeology)
- 1 course in Byzantine Literature (BMG 100) from those offered by the Department of Byzantine and Modern Greek Studies (BMG)
- 4 courses in Modern Greek Literature (from the courses offered by BMG)
- 1 course in Literary Theory (from the courses offered by BMG)
• 3 courses of a foreign language (from the courses offered by the Language Centre)
• 3 electives
• 1 course in Psychology (from the courses offered by the Department of Psychology)
• 1 course in Sociology (from the courses offered by the Department of Social and Political Sciences)

DESCRIPTION OF COURSES

**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)*
Formation of the parts of speech (articles, pronouns, nouns, adjectives, verbs, etc.), derivatives compounds, rules of accentuation, 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 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.

**LAT 299 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.

**FIL 101 Introduction to Philosophy**
1. Term, beginning and definition of Philosophy.
2. The relation of philosophy to art, religion and science.

**FIL 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 given to the original texts and to their interpretation, and we shall avoid the repetition of secondary bibliography.

**FIL 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 philosophy. Students will develop an awareness of the major philosophical problems associated with the notion of modernity.

**FIL 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.

**FIL 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 like, for instance, 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.
## CONTENT OF PROGRAMME IN CLASSICS

### A. Background Courses
1. Introduction to Classical Scholarship
2. Ancient Greek and Latin Language (reading courses)
3. Ancient Greek and Latin Metre
4. Papyrology
5. Paleography 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 Koine during the Hellenistic and Roman periods, Atticism, Greek in Late Antiquity.

## MAJOR IN CLASSICS

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<th>1st Semester</th>
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<th>6th Semester</th>
<th>(4 courses x 5) + (1 x 10) = 30 ECTS</th>
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<td>AGL 263</td>
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<td>HIS/ARC (Ancient History or Archaeology course)</td>
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### Notes:
1) For the first two years the program is identical to the program approved by the Committee of Studies and Student Affairs on March 19, 2004. The distribution of courses for the third and fourth year is indicative on condition that student takes 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 can choose from among the courses offered in the department. It is thus obvious that the last two years’ program is indicative.
4) No student may attend seminars in Ancient Greek, Latin or Linguistics unless she/he has attended a level-300 course in the relevant subject area.
5) No student may graduate unless she/he has attended one more 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
# MINOR IN CLASSICS

## 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**

*1 and 2 are prerequisites to the main structure courses (B1-8). 4 can be replaced with 3 as prerequisite for one of the courses LAT 270-299: Latin Literature (see below, C).*

## B. Main Structure Courses
Five (5) 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 chosen from:**
9. General courses in Classical Civilization
   - AEF 500 Introduction to Ancient Greek Literature
   - AEF 501-510 Religion and Mythology

## C. General Courses
1. Introduction to Ancient History (from the courses offered by ISA)
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**

*Note: All courses take three (3) hours per week and all are credited with 5 ECTS.*

**Total: 10 courses = 50 ECTS**
## Major in Philosophy

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<th>Semester</th>
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<td>PSY</td>
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### Notes:
1) With the 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 indicative.

### 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 PHILOSOPHY PROGRAMME**

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<thead>
<tr>
<th>A. Background courses</th>
<th>D. Seminars</th>
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<tr>
<td>PHIL 101 Introduction to Philosophy</td>
<td>PHIL 400-409 Ontology - Metaphysics</td>
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<tr>
<td>PHIL 102 Ancient Greek Philosophy</td>
<td>PHIL 410-424 Ethics</td>
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<td>PHIL 425-439 Political and Social Philosophy</td>
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<td>PHIL 104 Logic</td>
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<td>PHIL 176 Applied Ethics</td>
<td>PHIL 450-454 Aesthetics and Philosophy of Art</td>
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<td>PHIL 240-244 Medieval Philosophy</td>
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<td>PHIL 270-294 Contemporary Philosophy</td>
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**MINOR IN PHILOSOPHY**

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<tbody>
<tr>
<td>PHIL 400-454</td>
<td></td>
</tr>
</tbody>
</table>

Total: 10 courses = 55 ECTS

**Note for students majoring in Philosophy:**

1. Successful completion of four (4) courses in the History of Philosophy from at least three different periods of the history of philosophy is necessary.

2. Successful completion of six (6) courses from different areas in Systematic Philosophy is necessary.

3. Successful completion of three (3) seminars from three different areas of Systematic Philosophy is necessary.
Department of History
and Archaeology
CHAIRPERSON
Theodoros Mavrogiannis

VICE CHAIRPERSON
Maria Iacovou

PROFESSORS
Demetrios Michaelides
Demetrios D. Triantaphyllopoulos

ASSOCIATE PROFESSORS
Georghios Georghis
Maria Iacovou
Vasiliki Kassianidou
Theodoros Mavrogiannis
Euphrosyne Rizopoulou–Egoumenidou

ASSISTANT PROFESSORS
Alexander Beihammer
Georgios Kazamias
Petros Papapolyviou
Georghios Papasavvas
Chris Schabel

LECTURERS
Maria Kantirea
Ourania Kouka
Maria Parani
AIMS 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.) is also active. 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 (see courses of the Department of History and Archaeology). 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 specialization 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 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 AND ORGANIZATION OF THE PROGRAMME OF STUDIES

At the beginning of their studies, students follow a common syllabus for the first three semesters. Upon completion of Semester III, students elect 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 specialization in History, or (b) Degree of the Department of History and Archaeology, with a specialization 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 electives.

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 take these courses as electives provided they have already attended successfully 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 specialization they have selected.

The Department will not approve changes to the programme of studies or the timetable.

SPECIALIZATION IN HISTORY

The Programme of Studies for the degree with a specialization in History comprises 45 courses and a total of 240 ECTS, structured as follows:

<table>
<thead>
<tr>
<th>Course Description</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</td>
<td>30</td>
</tr>
<tr>
<td>Three 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>
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<tr>
<td>– Byzantine History (2)</td>
<td></td>
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<tr>
<td>– Medieval History (2)</td>
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<tr>
<td>– Modern and Contemporary Hellenic History (2)</td>
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<tr>
<td>– Modern and Contemporary European History (2)</td>
<td></td>
</tr>
<tr>
<td>– Modern Greek History (2)</td>
<td></td>
</tr>
<tr>
<td>– Post-war World (1)</td>
<td></td>
</tr>
</tbody>
</table>
• Two level-200 elective courses offered by the Department in History or Archaeology 10
• Three level-300 courses (Seminars) in History 30
• Three courses in Ancient Greek Philology 15
• Two courses in Latin Philology 10
• One course in Byzantine Philology 5
• Two courses in Modern Greek Philology 10
• Four elective courses 20
• Three courses in foreign language(s) 15

SPECIALIZATION IN ARCHAEOLOGY
The Programme of Studies for the degree with a specialization in Archaeology comprises 45 courses and a total of 240 ECTS, structured as follows:

ECTS

• Six Introductory level-100 courses in History (Compulsory) 30
• Six Introductory level-100 courses in Archaeology (Compulsory) 30
• Eleven level-200 courses in Archaeology distributed among the following thematic areas (Compulsory) 55
  – Prehistoric and Protohistoric Archaeology (2)
  – Classical Archaeology (Sculpture, Vase painting or Monumental painting and Architecture) (3)
  – Byzantine Archaeology (Byzantine Architecture, Painting and / or Iconography, Sculpture and Minor Arts, Post-Byzantine Art) (3)
  – Material Culture of Modern Times (1)
  – Environmental Archaeology (1)
  – Archaeometry (1)
• Three level-200 elective courses offered by the Department in History or Archaeology 15
• Three level-300 courses (Seminars) in Archaeology 30
• Three courses in Ancient Greek Philology 15
• Two courses in Latin Philology 10
• Two courses in Byzantine Philology 10
• Two courses in Modern Greek Philology 10
• Four elective courses 20
• Three courses in foreign language(s) 15

POSTGRADUATE COURSES
The Department offers also Postgraduate Courses (see Postgraduate Prospectus).

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 (Total ECTS: 25)
   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 (5X5=25 ECTS) and one 300-level seminar (10 ECTS),
   from those offered every semester by the Department of History and Archaeology (see Table II) (Total ECTS: 35).

Admission, conditions for admission, selection
Fifteen (15) students will be admitted to the Programme each 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 that a student has already passed for the purpose of his/her main programme of studies will be recognized as part of the minor degree.

Criteria of selection are the academic record (minimum grade 7/10) and the consent of the Chairs of the two relevant Departments.

MINOR DEGREE IN ARCHAEOLOGY
For a minor degree in Archaeology students must successfully complete 11 courses (60 ECTS). The courses required are the following:

A. Five compulsory introductory level-100 courses (Total ECTS: 25)
   ARC 118 Introduction to the Mediterranean Bronze Age Cultures
ARC 123 Introduction to Classical Archaeology I
(Geometric – Classical period)
ARC 135 Introduction to Early Christian Art and Archaeology
ARC 140 Introduction to Folk Art- Traditional Craftsmen
ARC 141 Introduction to Environmental Archaeology

B. Five level-200 (5X5=25 ECTS) and one level-300 seminar
(10 ECTS),
from those offered every semester by the Department of
History and Archaeology (see Table II) (Total ECTS: 35).

Admission, conditions for admission, selection
Fifteen (15) students will be admitted to the Programme each
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registration take place during the Fall Semester. The minor
degree begins in the Spring Semester of each academic year.
Courses in Archaeology that a student has already passed for
the purpose of his/her main programme of studies will be
recognized as part of the minor degree.

Criteria of selection are the academic record (minimum grade
7/10) and the consent of the Chairs of the two relevant
Departments.

COURSE DESCRIPTIONS

FALL SEMESTER 2007-2008

HIS 105 INTRODUCTION TO HISTORICAL STUDIES, METHODOLOGY AND
PHILOSOPHY 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 exam that covers the

Early Middle Ages (until 1000) and the High Middle Ages until 1191.
The final exam 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 in 3 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 the Late
Antiquity.

HIS 181 INTRODUCTION TO MODERN EUROPEAN HISTORY (1789-1918)
This is 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)
This course examines the period from 1100-330 BC, i.e., it comprises the
Geometric, Archaic and Classical times. It investigates ancient
Greek art and culture from the end of the Mycenaean world and the
passage to the Geometric period, to the Archaic times 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 135 INTRODUCTION TO EARLY CHRISTIAN ART AND ARCHAEOLOGY (4th - 7th c.)**
A survey of the Early Christian architecture and Art in the Christian World, with broad reference to the monuments of Cyprus.

**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 2007-2008**

**HIS 112 INTRODUCTION TO BYZANTINE HISTORY**
This 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 2007-2008.

**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 Cyproite Bronze Age cultures in the Eastern Mediterranean.

**ARC 124 INTRODUCTION TO CLASSICAL ARCHAEOLOGY II (HELENISTIC 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 of this period.
### TABLE I: ANALYTICAL PROGRAMME OF STUDIES FOR THE FIRST FOUR SEMESTERS

#### First Semester

**FALL SEMESTER 2007-2008**  
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

#### Second Semester

**SPRING SEMESTER 2007-2008**  
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  
or  
BMG A course in Modern Greek Philology

#### Third Semester

**FALL SEMESTER 2007-2008**  
ARC 135 Introduction to Early Christian Art and Archaeology (4th – 7th c.)  
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 A course in Ancient Greek Philology

#### Fourth Semester

**SPRING SEMESTER 2007-2008**  
For students specialising in Archaeology  
ARC 141 Introduction to Environmental Archaeology  
ARC  
AEF A course in Ancient Greek Philology  
LAT A course in Latin Philology  
LAN Second level of a foreign language  
or  
BMG A course in Modern Greek Philology

For students specialising in History:  
HIS  
HIS  
HIS  
AEF A course in Ancient Greek Philology  
LAT A course in Latin Philology  
LAN Second level of a foreign language  
or  
BMG A course in Modern Greek Philology

**Note:**  
Students of the Department must have completed all courses designated as compulsory (above) from the Departments of History and Archaeology, Classics and Philosophy and Byzantine and Modern Greek Studies by the Fourth Semester of their studies.
<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 105 Introduction to Historical Studies, Philosophy and Methodology of History</td>
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<tr>
<td>HIS 108 Introduction to Modern Greek History</td>
</tr>
<tr>
<td>HIS 134 Introduction to Medieval History</td>
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<tr>
<td>HIS 144 Introduction to Ancient History</td>
</tr>
<tr>
<td>HIS 181 Introduction to Modern European History (1789-1918)</td>
</tr>
<tr>
<td>HIS 223 History of Hellenism in Asia Minor (14th –early 20th century)</td>
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<tr>
<td>HIS 236 Frankish Greece</td>
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<tr>
<td>HIS 239 Archaic Period</td>
</tr>
<tr>
<td>HIS 242 Hellenistic History: The Ptolemies</td>
</tr>
<tr>
<td>HIS 264 History of the Cretan Question</td>
</tr>
<tr>
<td>HIS 265 The Role of War in Modern History</td>
</tr>
<tr>
<td>HIS 281 European Economic History I (16th-20th ce.)</td>
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<tr>
<td>HIS 297 Society and Economy in the Palaeologian Period</td>
</tr>
<tr>
<td>HIS 327 The EOKA Struggle, 1955-1959</td>
</tr>
<tr>
<td>HIS 328 The Greek Revolution of 1821 through the Memoirs of the Participants</td>
</tr>
<tr>
<td>HIS 332 The Ecclesiastical History of Cyprus in the Frankish Period</td>
</tr>
<tr>
<td>ARC 117 Introduction to Prehistory</td>
</tr>
<tr>
<td>ARC 123 Introduction to Classical Archaeology I (Geometric - Classic Periods)</td>
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<tr>
<td>ARC 135 Introduction to Early Christian Art and Archaeology (4th –7th centuries)</td>
</tr>
<tr>
<td>ARC 140 Introduction to Folk Art – Traditional Craftsmen</td>
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<tr>
<td>ARC 206 Mycenaean Archaeology: The Palatial and Post-Palatial Horizon</td>
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<tr>
<td>ARC 271 Ships and Ports of the Classical Times: Iconography and Types</td>
</tr>
<tr>
<td>ARC 272 The Maritime Tradition of Cyprus during Antiquity</td>
</tr>
<tr>
<td>ARC 276 Byzantine Cyprus: 4th-12th centuries</td>
</tr>
<tr>
<td>ARC 277 Gothic Architecture in West and East</td>
</tr>
<tr>
<td>ARC 279 Computer Applications in Archaeology</td>
</tr>
<tr>
<td>ARC 317 Death: Burial Habits in the Aegean and Anatolia from the Chalcolithic through Early Bronze Age</td>
</tr>
<tr>
<td>ARC 342 Material Life during the 18th and 19th Centuries in relation to Written Sources</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 112 Introduction to Byzantine History</td>
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<tr>
<td>HIS 144 Introduction to Ancient History (See Fall Semester 2007-2008)</td>
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<tr>
<td>HIS 213 Diplomacy and Intercultural Communication in Byzantium</td>
</tr>
<tr>
<td>HIS 232 The High Middle Ages (1000-1300)</td>
</tr>
<tr>
<td>HIS 247 Roman Res Publica</td>
</tr>
<tr>
<td>HIS 249 Classical Athens</td>
</tr>
<tr>
<td>HIS 267 The Balkan Dimension of the Macedonian Question (1870-1945)</td>
</tr>
<tr>
<td>HIS 285 Europe 1918-1945: from Versailles to the Fall of Nazi Germany</td>
</tr>
<tr>
<td>HIS 294 Army interventions in Greek Politics (1909-1936)</td>
</tr>
<tr>
<td>HIS 343 Ancient Religion</td>
</tr>
<tr>
<td>ARC 118 Introduction to the Mediterranean Bronze Age Cultures</td>
</tr>
<tr>
<td>ARC 124 Introduction to Classical Archaeology II (Hellenistic and Roman Periods)</td>
</tr>
<tr>
<td>ARC 244 Folk Art B’ (Gold and Silversmithing, Copperwork, Decorated Pottery, Wood and Stone Carving, etc.)</td>
</tr>
<tr>
<td>ARC 264 Byzantine glyptics</td>
</tr>
<tr>
<td>ARC 267 Mediterranean Island Archaeologies Part I: Crete and Cyprus in the Bronze Age</td>
</tr>
<tr>
<td>ARC 285 Methods and Techniques of Underwater Archaeological Research</td>
</tr>
<tr>
<td>ARC 288 Anatolia and Cyprus in the 3rd mill. BC</td>
</tr>
<tr>
<td>ARC 289 Ancient Greek Architecture</td>
</tr>
<tr>
<td>ARC 348 Multiculturalism or Myths</td>
</tr>
<tr>
<td>ARC 390 Great Sculptors of the 4th century</td>
</tr>
</tbody>
</table>
Appendices

Calendar of Academic Year
Organogrammes
Maps
Telephone / Fax Directory
<table>
<thead>
<tr>
<th>Event</th>
<th>Fall Semester 2007-2008</th>
<th>Spring Semester 2007-2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation of New Students</td>
<td>27-31 August</td>
<td></td>
</tr>
<tr>
<td>Registration</td>
<td>27-31 August</td>
<td>14-18 January</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>3 September</td>
<td>21 January</td>
</tr>
<tr>
<td>Deadline for Course Changes</td>
<td>14 September</td>
<td>1 February</td>
</tr>
<tr>
<td>Deadline for Dropping a Course</td>
<td>21 September</td>
<td>8 February</td>
</tr>
<tr>
<td>Deadline for Course Withdrawal</td>
<td>19 October</td>
<td>7 March</td>
</tr>
<tr>
<td>Classes End</td>
<td>30 November</td>
<td>18 April</td>
</tr>
<tr>
<td>Study Period</td>
<td>1-6 December</td>
<td>5-8 May</td>
</tr>
<tr>
<td>Exams</td>
<td>7-22 December</td>
<td>9-24 May</td>
</tr>
<tr>
<td>Vacation Periods</td>
<td>23 December - 13 January</td>
<td>19 April - 4 May</td>
</tr>
<tr>
<td>Public Holidays</td>
<td>1 October</td>
<td>10 March (Green Monday)</td>
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<tr>
<td></td>
<td>28 October</td>
<td>25 March</td>
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<td>1 April</td>
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<td>27 April (Easter)</td>
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<tr>
<td></td>
<td></td>
<td>1 May</td>
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</tbody>
</table>
## 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)

## 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)

## FACULTY BOARD

- DEAN
- DEPUTY DEAN
- CHAIRPERSONS OF THE FACULTY’S DEPARTMENTS
- 2 ACADEMIC REPRESENTATIVES FROM EACH FACULTY’S DEPARTMENTS
- STUDENT REPRESENTATIVES (number equal to the number of departments)

## 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 and 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.
## Council

FEDIAS PELIDES, 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  
ANDREAS DEMETRIADES, Member  
ARIS GEORGIOU, Member  
ERIC EROTOKRITOU, Member  
SYMEON KASSIANIDES, Member  
LEONI MAVRONIKOLA-PARASKEVAIDOU, Member  
CHRISTIS HASAPIS, Representative of Academic Staff  
SAVVAS KATSIKIDES, Representative of Academic Staff  
President of Student Union, Member  
DOROS MICHAEL, Representative of Administrative Staff, Member  
ANDREAS CHRIFTOIDES, 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  
ATHANASIOS GAGATIS, Dean of the Faculty of Social Sciences and Education  
LOUIS CHRISTOFIDES, Dean of the Faculty of Economics and Management  
STEPHANOS STEPHANIDES, Dean of the Faculty of Humanities  
IOANNIS TAFAKOS, Dean of the Faculty of Letters  
ANDREAS CONSTANTINOU, Dean of the Faculty of Pure and Applied Sciences  
ANDREAS ALEXANDROU, Dean of the Faculty of Engineering  
ERRIKOS KONTOGHIONCTHESES, Faculty of Economics and Management  
MICHALIS MICHAEL, Faculty of Economics and Management  
IOANNIS IOANNOU, Faculty of Humanities  
MARIA MARGARONI, Faculty of Humanities  
NIKY KIZELLYREK, Faculty of Humanities  
DEMETRIOS AGGELATOS, Faculty of Letters  
GEORGE KAZAMAS, Faculty of Letters  
GEORGE XENIS, Faculty of Letters  
CONSTANTINA ALEXANDRIOU, Faculty of Pure and Applied Sciences  
EFSTATHIOS PAPARODITIS, Faculty of Pure and Applied Sciences  
STAVROS THEODORAKIS, Faculty of Pure and Applied Sciences  
ANDREAS KAPARDS, Faculty of Social Sciences and Education  
ATHANASIOS RAYTOPoulos, Faculty of Social Sciences and Education  
CONSTANTINOS HRISTOPOULOU, Faculty of Social Sciences and Education  
CHARALAMBOS CHARALAMBOUS, Faculty of Engineering  
IOANNIS GIAINTZAKIS, Faculty of Engineering  
MICHAEL PETROU, Faculty of Engineering  
Student Representative  
Student Representative  
Student Representative  
Student Representative  
Student Representative  
ANDREAS CHRIFTOIDES, Director of Administration and Finance, non-voting member  
PHILIPPOS TSIPOLOGLOU, Director of Library, non-voting member

## Administrative Services

DIRECTOR OF ADMINISTRATION AND FINANCE: ANDREAS CHRIFTOIDES  
ACADEMIC AFFAIRS AND STUDENT WELFARE SERVICES: PHILIPPOS PATTOURAS, Head  
FINANCE: ANDROULLA THEOFANOU, Head  
HUMAN RESOURCES: GLAFKOS CHRISTOU, Head  
INFORMATION SYSTEMS SERVICES: AGATHOCLIS STYLIANOY, Head  
LIBRARY: PHILIPPOS TSIPOLOGLOU, Head  
RESEARCH, INTERNATIONAL AND PUBLIC RELATIONS SERVICES: GREGORY MARRIDES, Head  
TECHNICAL SERVICES: AGIS ELISSEOS, Head
1. TOUFEXIS MANSION-AXIOTHEAS STREET
   • Cultural Centre
2. 12 GLADSTONOS STREET
   • Archaeological Research Unit
3. 10 KALLIPOLEOS AVENUE (Apostolidis)
   • Department of Byzantine and Modern Greek Studies
   • Department of Classics and Philosophy
4. 48 KALLIPOLEOS AVENUE (Loucas Court)
   • Department of Electrical and Computer Engineering
5. 59 KALLIPOLEOS AVENUE (Fragkopoulos)
   • Department of Education
   • Department of Turkish and Middle Eastern Studies
6. 65 KALLIPOLEOS AVENUE (Antoniou)
   • Office of the Dean of the Faculty of Social Sciences and Education
   • Department of Education
   • Department of Psychology
7. 75 KALLIPOLEOS AVENUE (Central Building)
   • Department of History and Archaeology
8. 75 KALLIPOLEOS AVENUE (Central Teaching Facilities)
   • Office of the Dean of the Faculty of Letters
   • Office of the Dean of the Faculty of Humanities
   • Department of English Studies
   • Department of History and Archaeology
   • Library
   • Information Systems Services
   • Lecture Rooms
   • FEPAN (Student Union)
   • School of Modern Greek
9. 11-13 DRAMAS STREET (Theophanides)
   • Department of Education
10. 91 AGLANDIAS AVENUE (Green Park)
    • Office of the Dean of the Faculty of the Engineering
    • Department of Civil and Environmental Engineering
    • Department of Electrical and Computer Engineering
    • Department of Mechanical and Manufacturing Engineering
11. 9-11 LARNAKAS AVENUE (Dorforos)
    • Office of the Dean of the Faculty of Economics and Management
    • Department of Economics
    • Department of Public and Business Administration
    • Economic Research Unit
    • Centre for Banking and Financial Research
    • Hermes Centre of Excellence
12. 12 AGLANDIAS AVENUE (Athena)
    • Department of French Studies and Modern Languages
    • Department of Social and Political Sciences
    • Centre of Teaching and Learning (KE.DI.MA.)
13. UNIVERSITY CAMPUS
    • University House "Anastasios G. Leventis"
      - Rector’s Office
      - Director’s Office
      - Central Administration
      - Human Resources Service
      - Research, International and Public Relations Service
      - Finance Services
      - Academic Affairs and Student Welfare Service
      - Technical Services – Campus Development Office
      - Internal Audit
      - Centre of Continuing Education and Assessment (K.E.P.E.A.A.)
    • Faculty of Pure and Applied Sciences
      - Office of the Dean of the Faculty of Pure and Applied Sciences
      - Department of Biological Sciences
      - Department of Mathematics and Statistics
      - Department of Physics
      - Department of Chemistry
      - Common Teaching Facilities
    • Facilities Management Units
    • Stores Building
    • Peripheral Building
      - Department of Biological Sciences
      - Department of Mathematics and Statistics
      - Oceanographic Centre
    • Site Offices
14. LATSIAS ANNEX
    • Lecture Rooms
    • Department of Mechanical and Manufacturing Engineering
    • Department of Electrical and Computer Engineering
15. 29 KALLIPOLEOS AVENUE (Iakovio Building)
    • Department of Law
    • Translation Centre
    • Language Centre
    • Centre of Teaching and Learning (KE.DI.MA.)
16. 10 HALKOKONIAD STREET
    • Turcological Library
17. 36 KALLIPOLEOS AVENUE (Arval 27)
    • Faculty of Engineering
18. 23A ARIADNE STREET & 68 LEDRAS STREET (Ledras)
    • Programme of Architecture (Faculty of Engineering)
19. 56 VITHELEM & 1 VITONOS STREET (Arsalidou)
    • Department of Civil and Environmental Engineering
    • Library
20. 9 BOBOLINAS AVENUE (Pelekezis)
    • Library
21. 3 FEDERICO GARCIA LORCA STREET (Platanos)
    • Library
22. 9 KIMONOS STREET (Rolandos)
    • Department of Psychology
23. 167 LARNAKAS AVENUE (Pitsikas)
    • Library
access to the new university campus

LARNAKA’S AVENUE

proposed round-about

proposed road

proposed round-about

proposed round-about

proposed round-about

proposed round-about

existing round-about

St. George’s Chapel

TO AGLANDIJA

Athalassa’s Avenue

TO GERI

WEST ENTRANCE

EAST ENTRANCE

SERVICES BUILDINGS

ENERGY CENTRE

UNIVERSITY HOUSE “ANASTASIOS G. LEVENTIS”

INDOOR SPORTS HALL

OUTDOOR SPORTS FIELDS

FACULTY OF PURE AND APPLIED SCIENCES

STUDENT RESIDENCES

PERIPHERAL BUILDING

244
access to the university house "A. G. Leventis" and the faculty of pure and applied sciences

FROM THE WEST ENTRANCE

parking place for students and visitors

UNIVERSITY HOUSE “ANASTASIOS G. LEVENTIS”

BUILDING ENTRANCE FST 02

BUILDING ENTRANCE FST 01

FROM THE EAST ENTRANCE

parking place for staff members

BUILDING ENTRANCE CTF 01

BUILDING ENTRANCE FST 01

FST 01 = DEPARTMENT OF COMPUTER SCIENCE • DEPARTMENT OF MATHEMATICS AND STATISTICS
FST 02 = DEPARTMENT OF BIOLOGICAL SCIENCES • DEPARTMENT OF CHEMISTRY • DEPARTMENT OF PHYSICS
CTF 01 = AUDITORIA
### University of Cyprus

**University House “Anastasios G. Leventis” • P.O. Box 20537, 1678 Nicosia**  
**Tel.: (+357) 22894000 • E-mail: admin@ucy.ac.cy • http://www.ucy.ac.cy**

#### FACULTIES

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| Centre of Continuing Education, Assessment and Development | 22894152 | 22894480 |
| Cultural Centre (Toufexis Mansion) | 22434801 | 22434808 |
| School of Greek Language             | 22892028   | 22892029      |

| Canteen (University House A.G. Leventis) | 22894425 |
| Canteen / Restaurant                  | 22892012  |
| Health Centre                         | 22892024  |
| Security                               | 22892011  |

#### ACADEMIC DEPARTMENTS / RESEARCH UNITS

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#### STUDENT UNION

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