HAROKOPIO UNIVERSITY
SCHOOL OF ENVIRONMENT, GEOGRAPHY AND APPLIED ECONOMICS

Department of Geography

2021-2022 STUDY QUIDE

HAROKOPIO UNIVERSITY OF ATHENS

SCHOOL OF ENVIRONMENT, GEOGRAPHY AND APPLIED ECONOMICS

DEPARTMENT OF GEOGRAPHY

Study Guide

Academic year 2021-2022

HAROKOPIO UNIVERSITY OF ATHENS

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DEPARTMENT OF GEOGRAPHY

Chair
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WORD OF THE DEPARTMENT'S CHAIR

Geography is the science which inquires the way the environment is shaped by natural processes and how the human being leaves a positive or negative imprint on it. It also studies how cultures and societies take shape and are influenced by the environment where they grow. Geography covers a broad scientific field which intersects with a number of various fields, as geomorphology, climatology, cartography, GIS- Geographical Information Systems science, remote sensing, urban and regional development, demography, as well as political, economical, social, historical and cultural geography.

This very cross-disciplinary character of geography as scientific field, the range of knowledge and skills the geographer acquires alongside the ability of associating ideas he/she shall develop, make Geography a highly attractive field of study. Nowadays, at the first cycle of study (undergraduate level), priority tends to be given to wide-ranging knowledge and knowledge facilitating multi-faceted and general approach of scientific topics, while specialization is being acquired later in academic life, at a post-graduate level of study.

Having completed his/her studies, the graduate from the Harokopio University's Department of Geography is provided with knowledge and skills so that he/she can address topics and tackle issues in various ways; while he/she is able to understand some of the most important issues the mankind has to face, should they appertain to human or to physical geography, as in the following specific topics: human – environment interaction, natural and human induced hazards, climate change, demography and population fluctuations, migration, spatial planning, country management and design, remote sensing. Furthermore, through fieldwork and laboratory practice, our Graduates have acquired the technical skills needed for sampling surveys and research, data's statistical analysis, visualization and mapping.

1. THE HAROKOPIO UNIVERSITY OF ATHENS

Harokopio University, a public university, was established in 1990 and is chronologically the eighteenth Higher Education Institution of the Hellenic Republic. The main premises of the University are located on Eleftheriou Venizelou Avenue, at number 70, in the municipality of Kallithea (bequest of Panagis Harokopou). A new Harokopio University's own building stands on Omirou Street, at number 9, in the nearby locality named Tavros. Premises also include another building on Harokopou Street, 89, where staff offices, computer laboratories and class rooms are hosted.

Today, Harokopio University of Athens counts four academic departments which are, according to opening's chronological order:

- the **Department of Economics and Sustainable Development**, since 1993,

- the **Department of Nutrition and Dietetics**, since 1994,

- the **Department of Geography**, since 2000,

- the **Department of Informatics and Telematics**, since 2007.

Moreover, Postgraduate study programmes are currently running on the following topics: "Sustainable Development", "Education and Culture", "International Master of Sustainable Tourism Development", "Applied Dietetics – Nutrition", "Nutrition and Health", "Applied Geography and Spatial Planning", "Informatics and Telematics" and "Digital Health and Analytics".

The following services operate on the main campus: the Library and Information Center, the Career Office, the Erasmus Office, the Student's Counseling Center and the Network Operation Center.

Harokopio University is dedicated to the society through the promotion of education and research in fields focusing on the human being and aiming to enhance his welfare. To fulfill its mission, Harokopio University has developed a cooperation network with national and international education and research institutions all over the world through bilateral memoranda of cooperation as well as educational and research programmes. During the just-completed thirty operating years, Harokopio University has demonstrated a special impetus, as acknowledged by the Hellenic National Documentation Centre.

Entrance of the Main building, main campus.

THE DEPARTMENT OF GEOGRAPHY

2.1 General Presentation

The department of Geography at Harokopio University of Athens was founded in 1999 and welcomed its first class students during the academic year 2000-2001. It is one of the two Hellenic university departments dedicated to Geography, a dynamic scientific field at the intersection of physical and social sciences.

The studies at the Department of Geography of Harokopio University are very well organized. Teaching is based on contemporary learning methods, combining theoretical approach with practical implementation and case studies; supplemented with fieldwork, and complemented by distance-learning through the e-class platform.

The excellent building facilities, the up-to-date technological equipment, as well as the intense activity of the teaching and research staff, provide and guarantee the quality of a high-standard academic environment.

Currently, the Department of Geography counts sixteen Academic staff members, with recognition amongst the academics and intense presence in research. The Department attaches special value to research activity. During the twenty years of its operation, a significant number of research projects have been implemented in collaboration with Higher Education Institutions / Universities and Research Centers of the Hellenic Republic and abroad. The research activities are highlighted and promoted through publications in

academic journals and the participation of the Department's scientific staff and students in international conferences.

In December 2013, in accordance with the Law 3374/2005, the Department of Geography passed successfully the external evaluation procedure implemented by an international five-member committee. The particularly positive External Evaluation Report (displayed at the Hellenic quality assurance and accreditation agency website: https://www.ethaae.gr/el/diasfalisi-poiotitas/ektheseis-eksoterikis-aksiologisis-tmimatwn) certifies the high academic level of the curriculum, points out the outstanding quality of the staff and recognizes the driving forces of the research work the Department has accomplished.

2.2 Mission and aims

The mission of the Department of Geography consists in (i) **promoting of the science of Geography,** (ii) **providing high-quality education**, at undergraduate and post-graduate level, combining scientific ethos and theories of the Geographic science with the understanding of the problems the society faces, its demands, its needs, (iii) **developing basic and applied research** in the fields covered by Geography at international level, (iv) **assuring the appropriate academic environment** so that students, researchers and staff members may deploy at their best their capabilities.

The graduate student of the Department of Geography is able to develop professional activities in Greece and abroad, in the public, private and social sectors. The changes in the administrative divisions of the country (Kallikrates Reform) and the market internationalization give new opportunities to graduates with the scientific profile of a geographer. Indeed, the scope for potential professional and scientific activity and input of graduated geographers in the specific sector of economy and community are: central and general public administration sector, local and regional authorities, enterprises with national – regional network, chambers of commerce, association of enterprises, business consultancy, technical bureau, secondary school (nomination through the category PE 04.05 after examination), scientific research and NGO's.

The building where the Department of Geography is located

The aim of the Department is to accomplish the strengthening of the topic of Geography as crucial scientific field in the academia and in the Hellenic society, as well as the elevation of the Harokopio University Department of Geography as standard of geography education and research in response to the needs of the modern society.

GEOGRAPHY DEPARTMENT MILESTONES

1999	Foundation of the Department of Geography
September 2000	First Student admission
June 2004	First Graduation
September 2005	Start of the Postgraduate Programme with two streams
May 2007	First award of postgraduate diplomas
September 2008	Start of the third Stream into the Postgraduate Programme
November 2013	Establishment of the School of Environment, Geography and Applied Economics
June 2018	Reestablishment of the Postgraduate Programme
May 2019	Accreditation of the Undergraduate Programme by the Hellenic Quality Assurance and Accreditation Agency (HQA)

THE CURRICULUM

3.1. Structure of Undergraduate Studies

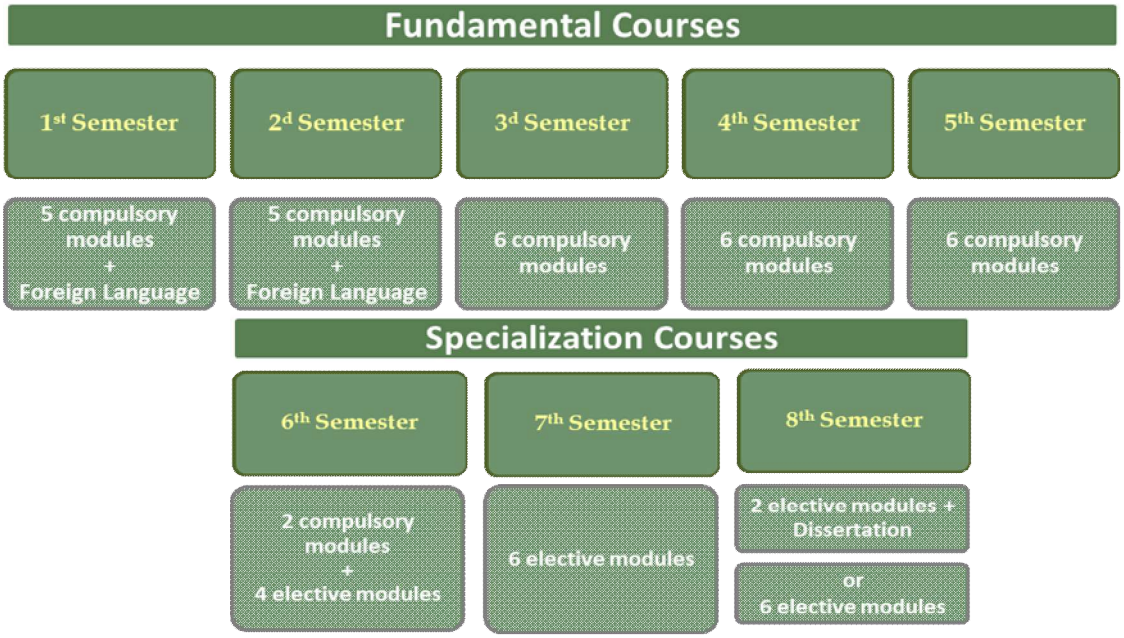
The Department of Geography provides an 8-semester curriculum, which provides undergraduate students with the scientific knowledge and the skills required by both the contemporary academia and the labour market, as well.

The curriculum consists of two phases: The first one refers to the first 5 semesters and comprises solely compulsory modules. Core courses introduce students to the key concepts and fundamentals of geography and provide them with necessary skills.

The second phase covers the last three semesters and consists mainly of elective modules. Those courses aim at the specialization of students and are organized in four different sets: (a) physical geography, (b) human geography, (c) planning, (d) geo-informatics. Two additional compulsory modules, titled "Geomorphology" and "Synthetic Geography Project", appear. The module "Synthetic Geography Project" aims to a comprehensive and integrated understanding and application of knowledge from various modules, by means of fieldwork and office work.

Throughout the 6th, 7th or 8th semester, the elective course of Placement offers students the opportunity to implement practice in selected organizations of private or public sector.

The Degree in Geography is conferred after the successful completion of 32 compulsory and 12 elective modules and of a written assignment (dissertation). Alternatively to the dissertation, students may opt for four additional elective modules.



1st Semester **(30 ECTS)**

Module	Type	ECTS Units
Physical Geography	C	5
Academic skills and methodology of scientific writing	C	5
Elementary Economics for Geographers	C	5
Introduction to Informatics	C	5
Introduction to Human Geography	C	5
Foreign Language I	FL	5

2d Semester **(30 ECTS)**

Module	Type	ECTS Units
Statistical Analysis for Geographers	C	5
Social Geography	C	5
Introduction to Cartography	C	5
Environment and Humankind	C	5
Historical Geography	C	5
Foreign Language II	FL	5

3d Semester **(30 ECTS)**

Module	Type	ECTS Units
Environmental Management	C	5
Thematic Chartography	C	5
Qualitative Methods of Analysis in Geography	C	5
Spatial Analysis	C	5
Population Geography & Demography	C	5
Meteorology – Climatology	C	5

4th Semester **(30 ECTS)**

Module	Type	ECTS Units
Political Geography	C	5
Urban Geography	C	5
Rural Geography	C	5
Photointerpretation- Remote Sensing	C	5
Hydrology – Water Resources management	C	5
Environmental Impact Assessment	C	5

5th Semester **(30 ECTS)**

Module	Type	ECTS Units
Regional Development	C	5
Cultural Geography	C	5
Economic Geography	C	5
Geographical Information Systems I	C	5
Regional Planning	C	5
Oceanography	C	5

6th Semester **(30 ECTS)**

Module	Type	ECTS Units
Geographical Project	C	7
Geomorphology	C	5
4 ELECTIVE modules	E	4*5

7th Semester **(30 ECTS)**

Module	Type	ECTS Units
6 ELECTIVE modules	E	6*5

8th Semester **(30 ECTS)**

Module	Type	ECTS Units
2 ELECTIVE modules	E	2*5
DISSERTATION	E	20
or alternatively		
6 ELECTIVE modules	E	6*5

ELECTIVE COURSES

Set I. Physical Geography

Module	Semester	ECTS Units
Climate Change	6th & 8th	5
Coastal Geomorphology	6th & 8th	5

Biogeography	6th & 8th	5
Quaternary Geology	6th & 8th	5
Environmental Management Tools	6th & 8th	5
Management of Natural Disasters	6th & 8th	5
Geomorphological Mapping*	6th & 8th	5
Renewable Energy Sources	6th & 8th	5
Environmental Policy*	7th	5
Waste management in the Circular Economy	7th	5
Geoarchaeology*	7th	5
Fluvial Geomorphology	7th	5
Ecosystem Services- Assessment and Mapping	7th	5

*During the academic year 2021-2022 will not be available

Set II. Human Geography

Module	Semester	ECTS Units
Spatial Economics	6th & 8th	5
Inequality, Discrimination and Sociospatial Hierarchies	6th & 8th	5
Location Applications	6th & 8th	5
Geographies of Poverty and Social Exclusion	6th & 8th	5
Population: Economy and Politics	6th & 8th	5
International Migration	6th & 8th	5
Geography of Globalized Production Networks	6th & 8th	5
Historical Geography of Ancient and Modern Times	6th & 8th	5
The Economic History of a Globalized World*	6th & 8th	5
Special Topics in Economic Geography	7th	5
Geography of the European Union*	7th	5
Special Topics in Spatial Economic Analysis	7th	5
Geopolitics	7th	5

*During the academic year 2021-2022 will not be available

Set III. Spatial Planning

Module	Semester	ECTS Units
Sustainable Urban Development	6th & 8th	5
Safe Cities*	6th & 8th	5

Urban- Spatial Planning	6th & 8th	5
Land Policy	7th	5
Geography of Transport and Infrastructure	7th	5
Spatial Analysis Application in Real Estate Management *	7th	5

*During the academic year 2021-2022 will not be available

Set IV. Geo-informatics

Module	Semester	Μονάδες ECTS
Geographical Information Systems II	6th & 8th	5
Geoinformatics Applications Development*	6th & 8th	5
GNSS Technology and Navigation	6th & 8th	5
Special Topics in Spatial Economic Analysis*	6th & 8th	5
Applied Geographical Information Systems	6th & 8th	5
Special Topics in Remote Sensing	7th	5
Statistical and Numerical Methods	7th	5
Geoinformation in Environmental Management	7th	5

*During the academic year 2020-2021 will not be available

Additional Modules:

Module	Semester	ECTS Units
Placement	6th, 7th & 8th	10
Geography Didactics	6th & 8th	5
Foreign Language Elective I	6th & 8th	5
Foreign Language Elective II	7th	5
Themes in Geography	7th	5

4. MODULES BRIEF DESCRIPTION

COMPULSORY MODULES

1st Semester

Physical Geography

The module's main objective is to introduce students to basic concepts of Geology, Climatology, Landscape ecology, Environmental Geography, Hydrology and Geomorphology. The module explores planet earth and the main factors and processes responsible for its evolution and configuration. The

main purpose of the course is to empower students in better understanding of both internal and surfacial biotic and abiotic processes that build and shape Earth's surface. Lectures include laboratory tutorials which help students become familiar with practical aspects like the study of topographic, geological, vegetation and climatic maps. The aim of the Laboratory tutorials is the assimilation of the theoretical knowledge. Additionally, students become familiar with original data processing in order to draw conclusions about natural processes.

Module Leaders: E. Karymbalis, Professor
E. Drakou, Assis. Professor

Academic skills and methodology of scientific writing

The purpose of this seminar course is (i) to improve the educational effect by strengthening and cultivate students' skills to become independent and organized in studying, effective writers and better communicators through the written word and (ii) addressing especially to the geographers, to acquire knowledge, and develop abilities and skills related to the search and the exploitation of resources and to scientific writing in an international and multilingual environment. Upon completion of the seminar course, students are expected (1) to work out the written authentic reason to improve the image of their texts and general communication within the academic community, (2) to cultivate self-motivation skills and self-determination in relation to their personal academic goals, (3) to search methodically and find documents, sources and data through bibliographical search and search on the internet, to appraisal and use it in an appropriate way and with efficiency and (4) to set up a scientific geography paper, with critical thinking and relying on relevant documents and sources appropriately cited.

Module Leaders :E. Durie and M. Goussia- Rizou
Laboratory Teaching Staff

Elementary Economics for Geographers

This course is an introduction to the basic principles of Economics. It aims to cover fundamental economic concepts and the tools needed to understand broader spatio-economic issues. The course covers the basics of both Microeconomics and Macroeconomics. The former is the branch of Economics that deals with human behaviour and the choices of specific economic units such as an individual industry, firm, or household; the latter is the branch that deals with human behaviour and choices of the aggregate economy. At the end of the module the student should be able to (i) use the basic concepts and tools used in Economics, (ii) understand the basics of how the economy functions, (iii) analyze and interpret current economic issues at national and global levels and (iv) understand the importance of space/location in economic analysis.

Module Leader: P. Artelaris, Assis. Professor

Introduction to Informatics

Students are introduced to fundamental topics for developing a basic understanding of Information Science. At the end of the course the student is expected to be able to understand the computer architecture and structure. It is also expected to build up its skill in programming through designing and developing source code. The practical sessions provide "hands on" applications while the laboratory sessions of the course are essential for the learner in order to demonstrate its skills on developing programs and debugging them through various compiler tools.

Module Leader: Tenured Lecturer

Introduction to Human Geography

The aim of this course is to function as an introduction in the varied and expanded field of human geography. More specifically, it aims to introduce first year students to the basic concepts and methodologies of human geography. In order for the course to be more interesting and less theoretical, this introduction to human geography focuses on the processes of globalization and in this sense it can be viewed as an introduction to the human geographies of globalization.

Module Leader: G. Mavrommatis, Assis. Professor
E. Durie, Laboratory Teaching Staff

Foreign Language I

English I or French I or German I

The principal aims of the course are to develop the students' knowledge and understanding of English/French/German. Through a planned program of activities students are expected to develop all four skills (Reading, Writing, Listening and Speaking) with more emphasis on grammar and structure. Scientific texts are analyzed in terms of content and terminology. Another goal is critical evaluation of scientific texts, in terms of content, cohesion and coherence. The revision of the basic points of grammar and syntax through relevant exercises, is completed. Moreover, there is practice in oral presentation techniques and listening skills.

Module Leaders : A. Zissimopoulou, V. Aeginitou, N. Vlachogianni, E. Manailoglou,
E. Zenakou, Special Teaching Staff

2d Semester

Statistical Analysis for Geographers

The aim of this course is to initiate students into the basic statistical concepts and customize them with their application, essential to a modern geographer. Realistic examples and exercises drawn from different areas of geography have been chosen to highlight the practical relevance of the subject. The goal is to provide students with the necessary theoretical background along with the practical skills so as to proceed with a statistical analysis.

Module Leader: A. Tragaki, Professor

Social Geography

The course aims at familiarizing students with social, political and cultural changes in large cities during the last decades of the 20th and the beginning of the 21st Century, i.e. in an era of deindustrialization and economic restructuring throughout the world's economically developed regions. Emphasis is given to both the description of trends and the main interpretations and discussions they have instigated. Urbanization patterns, expansion and urban restructuring combined with social and demographic changes, as well as with changing patterns of social and ethnoracial segregation are some of the core issues examined. Special attention is paid to trends concerning Greek cities.

Introduction to Cartography

The aim of the module is to introduce students into the science of cartography and to help them familiarize with the understanding of maps as well as map making. The course introduces issues related to the understanding, creation and use of maps, such as basic geodesy concepts, scale, cartographic projections, coordinate systems, the creation of thematic and choropleth maps as well as geocoding.

Module Leader: G. Petropoulos, Assis. Professor

Historical Geography

This module offers an interdisciplinary approach to the subject of historical geography. It analyzes the creation of social, economic and political space in Europe from the end of the 18th century until the contemporary era. It investigates phenomena and processes that change our sense of space (imperialism, urbanization, globalization, migration, nationalism and the construction of individual or collective identities in an interaction with space and landscape on the basis of real or imagined terms, etc.) in a long term perspective.

Module Leader: G.Kritikos, Professor

Foreign Language II

English II or French II or German II

The principal aims of the course are to further develop the students' knowledge and understanding of the foreign language. Scientific texts are analyzed in terms of content and terminology. Another goal is critical evaluation of scientific texts, in terms of content, cohesion and coherence. The revision of the basic points of grammar and syntax through relevant exercises, is completed. Moreover, presentation skills are further developed.

Module Leaders :A. Zissimopoulou, V. Aeginitou, N. Vlachogianni, E. Manailoglou, E.Zenakou, Special Teaching Staff

3d Semester

Thematic Cartography

The course aims at introducing students to the theoretical framework of the Thematic Cartography and to familiarizing them with relevant techniques and technologies. At the end of the course, students should be able to choose the most appropriate mapping method in different situations in order to produce thematic maps that depict clearly the spatial structure of the information they represent.

Module Leader: G. Petropoulos, Assis. Professor

Qualitative Methods of Analysis in Geography

This module introduces students to the qualitative methods and qualitative research as it is used in human geography and social sciences in general. Students are trained on the basic methods of quantitative and qualitative data collection, the techniques of evaluating these data as well as on combining various methods of data collection and analysis. Moreover, the module aims at educating students in scientific research and in the multidimensional approach of their research subject. The need to use mixed methodologies is underlined, while also the assumption that quantitative research is more 'objective' than qualitative research is criticized. In this context, the module paves the way for reconnecting research hypotheses with the phases of selecting the best research method for data collection, data processing, data analysis and, finally, data interpretation. In this module students have the opportunity to learn how to utilize qualitative data analysis software. In short, students will be able to develop their cognitive and scientific skills and learn how to make better use of the available research methods.

Module Leader: A. Papadopoulos, Professor

Spatial Analysis

Spatial Analysis is a module in the scientific fields of quantitative geography and geoinformatics. The module aims to advance the student knowledge on quantitative spatial data analysis methods and their application to real data. Special attention is paid to Tobler's first law of geography, the study of spatial autocorrelation and linear regression. At the same time this module provides the necessary technical tools and skills to study the spatial dimension of various phenomena from a geographic perspective. These include the teaching of open source software: the statistical programming language R and OpenGeoDa. This module also aims to inform students about current trends in spatial analysis and to give them the theoretical foundations to be able to address contemporary research issues in the science of geography.

Module Leader: Adjunct Lecturer

Population Geography and Demography

This module aims to introduce students to the basic concepts of population analysis. Students are initiated into demographic analysis; they study the demographic events, their overtime trends and spatial differentiations and get accustomed to calculating and interpreting the basic demographic indicators. The main goal of this module is to provide the fundamental knowledge and skills necessary for the analysis of interactions between population on one side, and economy, society and environment on the other.

Module Leader: A. Tragaki, Professor

Meteorology - Climatology

The course of Meteorology-Climatology is an introductory course in the fields of atmospheric science and applied climatology. At the end of the course the student is expected to be able to understand and analyze the basic atmospheric processes and their spatiotemporal variability. The practical session of the course provides fundamental knowledge about surface and upper air meteorological charts and skew-T diagrams. The laboratory work is also essential for the learner in order to demonstrate its skills on data processing and its long-term statistical analysis.

Module Leader: P. Katsafados, Assoc. Professor

4th Semester

Political Geography

This module on political geography attempts to analyze the perplexed relationships between politics and space. Within the framework of this course, the concept of politics does not exclusively refer to states and/or national policies, but instead, it also relates to a broader conception of politics or politics with a small p. Following such lines, politics do not only relate to political parties, government, elections, national borders etc., but also, refer to everyday politics like gender politics, office politics, politics within the family etc.

Module Leader: G. Mavrommatis, Assis. Professor

Urban Geography

The Urban Geography module involves theory lectures and student laboratories comprising also a group study of a distinct urban agglomeration. The students with completion of the course will be in position to obtain an out-most integral understanding of the socio-economic patterns under which cities and agglomerations develop and are incorporated into broader geographical-spatial dynamics. The theory lectures aim at: systematically approaching the field of Urban Geography, in relation to its conceptual basis and scientific considerations, aiming also at developing a shared background of understanding, theoretical knowledge, building critical analysis, research skills and explanatory-practical capabilities.

The group study comprises a student collective work (3 students),on an urban agglomeration, further targeted at developing knowledge and capacity building in relation to: data gathering (aggregate sources-field work), urban analysis, data elaboration techniques and GIS mapping processes. The course also involves, special topic courses, seminars, case study area visits and student progress reports presentations.

The course lectures involve the following topics: Urban Geography as a scientific domain and historical evolution; site situation and urban-settlement development; Population-mobility-migration; The urban space; Urbanization-theories of urbanization and historical cases; Industrialization and urbanization; Urbanization in Greece in comparison to other international and European experiences; Contemporary urbanization patterns; The notion of spatial concentration (de-concentration) and its dynamics; Spatial boundaries (administrative-functional-catchment areas); Urban and settlement systems; The search for centrality; Urban hierarchies; Metropolises-Medium and small size cities; Urban networks; City typologies; The internal structure of the city and theories; The city centre; The city as an economic-social-cultural and governance system; Spatial policies; Inequalities in the city; Disasters-reconstruction and urban development.

Module Leader: Tenured Lecturer

Rural Geography

The module offers integrated knowledge on the spatial and socioeconomic impacta of human production and consumption activities upon rural areas. Moreover, the wider economic and social relations which have an effect upon rural transformation are presented. The role and significance of agricultural economy for rural development is analyzed. An holistic approach of agricultural activities is adopted, while environmental conservation and alternative forms of employment are taken into account. There is a critical appraisal of human activities in rural areas. Special attention is given to the sustainable management of natural resources and to the challenges that accompany the development of human activities in rural areas. The module adopts an interdisciplinary and multidisciplinary approach of rural areas by integrating the relevant discussions that emerged in neighbouring disciplines such as sociology, geography, agricultural economics, social anthropology, agro-ecology, etc.

Module Leader: A. Papadopoulos, Professor

Photointerpretation- Remote Sensing

The aim of the course is the acquisition of the fundamentals of Remote Sensing theory as well as the basic steps of satellite images processing. And interpretation of different earth observation systems.

Module Leader: I. Parcharidis, Professor

Hydrology - Water Resources Management

The course is an introduction to basic issues of Hydrology such as the hydrologic cycle and estimation techniques of hydrologic parameters. Among the main objectives of the course is to empower students in better *understanding* of the hydrologic cycle on the earth, the knowledge of which is of particular importance for the integrated management of water resources of a catchment. Additionally, water recourses and water resources management issues are discussed and analyzed (Athens water supply system, natural and human induced floods, water resources management in Greece and Europe). The course includes laboratory tutorial which help students become familiar with practical aspects of estimating water cycle parameters for a catchment (precipitation, runoff, evaporotranspiration, infiltration).

Module Leader: E. Karymbalis, Professor

Environmental Impact Assessment

The objective of this course is the enhanced understanding of the process of environmental impact assessment, aiming at the more complete protection of the natural environment and human society, which depends deeply on it for its well-being. The multidisciplinary nature of the environmental impact assessment methods is embedded within Geography due to the deep interdisciplinary nature of the field. Within this course the students will be able to understand the conceptual and operational framework of this methodology, through lectures but also practical work and exercises.

Module Leader: E. Drakou, Assis. Professor

5th Semester

Regional Development

"Regional Development" is founded on the necessity of human individuals and human societies for economic and social progress / enhancement / improvement in both absolute and relational terms. However, as perception of social progress and improvement depends on "the existing optimal prosperity level", the concept of development is strongly connected to the concept of "the development problem", which usually means backwardness of certain socio-spatial entities or specific parts of a society in relation to others. In the context of the module a series of relevant fundamental queries are posed and alternative responses are investigated, presented and analyzed. Representative examples of such queries are: (a) what does it constitute a regional development problem for a spatially defined society? (b) how is it possible to measure such a problem? (c) what is the optimal path and what are the available tools for development, i.e. revocation of or getting over the development problem?

Module Leader: K. Sapountzaki, Professor

Cultural Geography

The basic objective of the module is to introduce students to the critical reading of the relationship between culture and space, in which culture does not simply refer to 'high culture' but also to popular and everyday culture as well as to the way that people behave, produce, consume and entertain themselves. The concept of culture is analysis by using various examples at different spatial levels: local, national, regional and global. Special emphasis is paid to the how culture acts as component of or factor for constructing identities, behaviors, social groups, social divisions, localities and landscapes. The concept of space construction contributes to the understanding and evaluation of material and symbolic dimensions of modern and historical landscapes.

Module Leader: A. Papadopoulos, Professor
G. Mavrommatis, Assis. Professor
N. Metaxidis, Laboratory Teaching Staff

Economic Geography

The course aims to present the main concepts and methods of Economic Geography to students. EG explores the multiple associations of economic activities with geographical space. It examines the theory and practice of industrial location aiming to show how firms exploit spatial differentiation for their own advantage. The course has a special focus on manufacturing.

Module Leader: S. Skordili, Professor

Geographical Information Systems I

The main aim of the course if the introduction to the Geographical Information Systems. Upon successful completion of the course the students should be able to: Understand the basics about GIS, and to design and implement simple GIS projects.

Module Leader: C. Chalkias, Professor

Regional Planning

The course aims first at introducing the students in the complex relationship governing the fields of Geography and Regional Spatial Planning. Second, it also aims to provide an understanding of basic theories and methodological tools related to regional analysis and planning. An additional objective of the course is the development of land-use analysis skills at different regional scales. In this context, the Regional Planning course includes theory lectures, group exercises and supporting laboratories, including the elaboration of a case-study work of a regional area. More specifically, the theory lectures aim

at: (1) introducing the students the Regional Planning field , in relation to its conceptual and scientific background; (2) providing an understanding of its significance based on the European and national experiences; (3) critically analyzing basic planning theories and approaches so that the students comprehensively perceive -under different theoretical perceptions- the regional dynamics and policy systems on the basis of which distinct regional plans and programmes are formulated.

The elaboration of a collective case-study work (3 students) further offers the opportunity to develop knowledge and skills in relation to data gathering and to the use of information and data sources, structuring the appropriate informational basis for the analysis of regional dynamics, mapping tools (GIS), plan formulation and implementation practices.

The course lectures involve the following: The notion of Regional Planning and its relationship to Geography; Regional-Physical and economic planning; Regional Planning theories; Regionalization and Governance; Regional planning typologies and tiers; Land use and management at the regional level; Land use mapping techniques and regional administration; Regional plans and programmes; The dynamics of regional planning policy in Europe and Greece; Regional Planning systems in Europe; Inter-Infra and boarder regional plans; Industrial clusters and economic recovery; Regional innovation plans; Retail and service location strategies; Agricultural land management; Settlement networks and regional development; Major infrastructural works and regional planning; Natural resources management; Rivera and coastal regional economies; Globalization and new regionalization; Regional planning and safety.

Module Leader: Adjunct Lecturer

Oceanography

The course is an introduction to the natural, chemical, geological and biological processes which take place in the global ocean.

The main objective of the course is the understanding of the processes of the evolution of the world ocean in time, its characteristics and its importance in shaping the climate, the living parameters and the natural and anthropogenic environment. Lectures include laboratory tutorial which help students to combine the theoretical knowledge with laboratory exercises.

The aim of the Laboratory tutorial is the assimilation of the theoretical knowledge. Additionally, students become familiar with construction of bathymetric cross-sections, the use of relevant web applications and to familiarize themselves with the processing and interpretation of primary data to draw conclusions on the physical and chemical properties of ocean waters.

Module Leader: I. Parcharidis, Professor
E. Karymbalis, Professor

P. Katsafados, Assoc. Professor

6th Semester

Geographical Project

The synthesis of the individual skills of the students (e.g, historical, economic, physiogeographic, mapping, etc) is done at different scales. It is one of the comparative advantages of geography degree and implemented in all relevant sections in Europe. The synthesis of the knowledge of the individual lessons will be in office and field exercises. This course/ project enables students to implement synthetic knowledge from other courses through a practice in a particular area of study which studied both the natural environment and processes and human activities and interventions. The analysis is done in two scales: a) regional and b) local scale. Students work in groups in groups of 4-5 people with stydy areas of 2 x 2 km. Moreover, they use techniques of Geoinformatics (GIS, Remote Sensing, GPS) for the creation of the spatial database of the study area.

Module Leader: Group from teaching and research staff

Geomorphology

After the completion of the course the student should be able to:
– Describe the exogenous and endogenous processes in the landscape and their importance for landform creation and development, and distinguish the mechanisms that control these processes.
– Analyze how variations in climate and environment affect the development of landforms
– Assess how different scales of time and space affect geomorphological processes
– Explain and apply geomorphological multi proxy methods used in research today
– Create and read a geomorphological map using modern methods and techniques.

Module Leader: Adjunct Lecturer

ELECTIVE MODULES

6th & 8th Semester

Climate Change

The module of Climate Change is an introductory course in the fields of climate variability, greenhouse effect and large-scale atmospheric phenomena. At the end of the course the student is expected to be able to understand the

natural and anthropogenic impacts on the global climate and analyse the scenarios and their dynamical feedbacks. The practical session of the course provides fundamental knowledge on data analysis software while the laboratory work is essential for the learner in order to demonstrate its skills on climate data processing and various scenarios assessment.

Module Leader: P. Katsafados, Assoc. Professor

Coastal Geomorphology

The course is an introduction to coastal processes and coastal landforms as well as to coastal zone management issues. One of the basic aims of the Coastal Geomorphology course is to empower students in better *understanding* of coastal processes, that act along the coastline (waves, tides, currents, long-term sea-level changes, aeolian processes) and the study of coastal landforms which are the main result of these processes. The course also considers some of the practical issues like various methodologies of coastal geomorphological mapping. Lectures include laboratory tutorial which help students become familiar with practical aspects like the calculation of long-term coastal erosion rates, record of impacts of the anticipated sea-level rise on coasts, susceptibility assessment of coastal areas to natural hazards, grain-size analysis of coastal sediments etc. During the course a one-day field-trip is organised. The aim of the field-trip is the assimilation of the theoretical knowledge and the recognition of coastal landforms and indicators of sea-level changes in the field.

Module Leader: E. Karymbalis, Professor

Biogeography

The goal of the course is to provide an introduction to biogeographic thought and to highlight the importance of the interaction between environmental conditions and historical dynamics in shaping the distribution patterns of the different life-forms on earth.

Course topics:

Introduction and history of the discipline, environmental factors and species distribution, environmental factors and distibution of biological communities, changes of earth surface in geological time scale, the role of glacial periods, speciation and extinction of species, migration mechanisms and barriers, distribution patterns, biogeographic histories, island biogeography, continental patterns, applications in the conservation of nature.

Module Leader: V. Detsis, Assoc. Professor

Dpt of Economics and Sustainable Development

Quaternary Geology

The scientific field of the course "Quaternary Geology" deals with the geological data of the Quaternary period (the last 2.58 million years), in order to understand the processes that shape the geo-environment, the climate changes at each geographical scale over time.

Recognition and interpretation of the processes that shape the geo-environment is essential to understand global environmental changes and anticipating and adapting prospects, as well as providing insight into the long-term survival of humans in the face of future environmental pressures. From the above, it is understood that a multidisciplinary research approach is required to interpret multidimensional parameters.

The Geology of the Quaternary "borrows" knowledge, tools and techniques from the natural sciences (geology, palaeontology, stratigraphy, oceanography, geochemistry, etc.) and from the human sciences (archeology, anthropology, etc.).

Module Leader: Adjunct Lecturer

Management of Natural Disasters

This module deals with the processes of natural disasters and their impacts as well as with human society responses and ways to cope with losses. The basic queries that the module attempts to give answers to are the following: Which are the root causes of natural disasters and which are the factors triggering chain-like disaster processes and domino effects? Is it possible that human societies affect catastrophic events and potential losses? Which are the policies, measures and actions that should be undertaken by human societies to prevent disasters, to mitigate losses, or even to recover as rapidly as possible? The module aims at supplying the students with knowledge, skills and the criteria which are necessary for disaster risk assessment, estimation of losses after manifestation of a disaster event, also for criticizing existing mitigation, preparedness, relief and recovery plans and for carrying out alternative management solutions.

Module Leader: K. Sapountzaki, Professor

Geomorphological Mapping

The main objective of the course is to introduce students to basic concepts of geomorphological methods and techniques in the resolution and confrontation of problems in applied researches and studies of geosciences. At the same time the growth of dexterities of students on issues of geomorphological mapping, sampling and analysis of sediments and they can approach geomorphologic problems and select the methods and that techniques that will give them the possibility to understand the natural processes.

Methodology of geomorphological mappings, reading and analyzing the cartographic data, air-photos, satellite images and ancient maps to recognized landforms. Geomorphological analysis and technical work (road construction, artificial reservoir and dams, harbour work). Contribution of geomorphology in the development of environmental studies (brought matters, transport of sediments, slope erosion, wetlands, delta, re-establishment of mines of – quarries). Study of depositional and post depositional sedimentation processes, choice of analytical methods. Paleo-environmnetal reconstitution and interpretation of paleo-geographical maps. Geomorphological mapping,

techniques and methodology. Symbols, scales using analog and digital maps. During the course a field trip at regions of great geomorphological interest is organised. The aim of the field trip is the assimilation of the theoretical knowledge, produce geomorphological maps and interpreted the geomorphological evolution of the study area.

Renewable Energy Sources

The module of Renewable Energy Sources is an introductory course in the fields of wind and solar energy. Alternative sources such as geothermal energy, hydropower and biomass are also introduced. At the end of the course the student is expected to be able to understand fundamentals of wind turbine and solar cell and schedule a cost-benefit analysis of wind farms and photovoltaic (PV) panel installations in Greece. Policies and finances towards the renewable energy deployment in Greece and the European Union are also discussed.

Module Leader: Adjunct Lecturer

Spatial Economics

This module aims to provide students with an in-depth understanding of the economic characteristics of basic spatial processes and the forces and dynamics shaping and changing cities and regions. In order to achieve this aim, the course provides a blend of theory, methods, spatial data, and empirical work. The course covers a wide variety of topics on theoretical and empirical research on spatial economics, giving particular attention to contemporary issues and problems within the Greek context. By the end of the course students should be able to (i) deeply understand the role of space and location in economics, (ii) identify the core concepts and principles of spatial economics and (iii) understand the basics of how spatial economy works, recognizing current economic issues at regional and urban level.

Module Leader: P. Artelaris, Assis. Professor

Inequality, Discrimination and Sociospatial Hierarchies

The course aims at familiarizing students with concepts and theories in the fields of Urban Sociology, Urban Geography and Urban Studies with a focus on discrimination and inequality The course offers a more elaborate and a more comprehensive view of issues already discussed in the introductory courses of social, urban, economic, cultural and political geography. The focus is on urban socio-spatial discrimination and inequality both among and within different cities. Material is used from cities across the world, with a focus on the study of Athens.

Location Applications

The course aims to give the opportunity to advanced students to confirm and deepen their knowledge in Economic Geography. It is a composite course based mainly, but not exclusively, on EG concepts and methods. It comprises

by lectures and step-by-step project implementation, under close guidance and supervision. Small groups of students undertake specific tasks of a broader project engaged with a "real world" economic location problem. The main questions and content of the project may differ from year-to-year so as to correspond better with the priorities of the contemporary business environment and students' interests. During the last academic year the main axes of the project were issues of Food Geography and Planning in selected neighborhoods of Athens municipality.

Module Leader: S. Skordili, Professor

P. Artelaris, Assis. Professor

Geographies of Poverty and Social Exclusion

The main objective of the module is the use of methodological and theoretical tools of human geography that the students learned at earlier years of their studies so that they approach the complex issues of poverty and social exclusion in Europe and Third World countries. Moreover, the factors contributing to poverty and social exclusion will be analyzed both at national and global level. At the same time, the impact of those issues is considered on social cohesion, social conflicts and evolution of modern societies. More specifically, this module offers a multilevel theorization of social divisions and inequalities, as they can be expressed at various spatial levels. The module also pursues the integrated approach of socioeconomic and spatial phenomena by using particular examples from the developed and less developed countries.

Module Leader: A. Papadopoulos, Professor

Population: Economy and Politics

The aim of this module is to go deeper into the population studies, to sharpen perception about population growth and change and to emphasize on the relationship between population and growth, population and security as well as population and environment. Special attention is placed on topics like population ageing and its impact on all aspects of economic and social life. An overview of population policies, both in developed and developing countries, is presented and different policies are assessed. After having attended this module, students are expected to have realized how demography influences all aspects of life, at the regional, national and individual level.

Module Leader: A. Tragaki, Professor

International Migration

This course seeks to introduce students in this particular form of academic studies that is called "migration studies» and which relates to the examination and investigation of phenomena that are related to the geographic mobility of different human groups and individuals. This course explores many different aspects of the migration phenomenon like voluntary and involuntary forms of mobility, migrations from south to north, from south to south (and from north to the north and south-south) etc. Generally, one could go as far as to argue

that the world in which we live today appears to be in constant motion and maybe in constant flux too.

Module Leader: G. Mavrommatis, Assis. Professor

Geography of Globalised Production Networks

This course supplements the introductory track of Economic Geography. Its main subject is the Economic Geography of Globalization. Introductory lectures present the long-term changes in the "enabling factors" of international economy: transport, communication and regulatory framework. Then, the focus shifts to the spatial configuration of Multinational Corporations, during the subsequent stages of the Old and New International Division of Labour. Finally, great emphasis is given to the contemporary formation of long supply chains and production networks by selected Transnational Corporations.

Module Leader: S. Skordili, Professor

Historical Geography of Ancient and Modern Times

The aim of this course is to help students: to develop knowledge of the past civilizations focusing on Greek and European space as well as on Eastern Mediterranean; to understand the elements of spatial inequalities that contribute to the development or to the decline of these civilizations; to develop a critical approach and understanding of social, political and economic changes in a historical perspective.
On successful completion of the course students will have: a) learned how to examine various aspects of civilizations in a *longue durée* historical perspective, b) been familiarized with different mechanisms of development or crisis in history, d) learned how to interpret different symbols and elements of power in the historical past of different places.

This module analyses the development of social, economic and cultural space in a journey that begins from antiquity and goes through Byzantine, Ottoman until the 19th century when the modern Greek state was established. Among the subjects that will be examined is geographical knowledge and cartography in ancient times – sacred landscapes and sacred spaces the development of writing and networks of communication, the evolution cities, commercial relations and ports, fortifications and castles, political and social structures, art and cultural heritage, changes in time and space during the transition from empires to states.

Module Leader: G. Kritikos, Professor

The Economic History of a Globalized World

The purpose of this module is to examine the different aspects of the past of the global economy in a *longue durée* perspective and to help students: a) - develop knowledge of the past global economies; b) understand the elements that contribute to the development or to the backwardness of economies; c) develop a critical approach and understanding of social and economic changes in a historical perspective.

On successful completion of the course students will have: a) learned how to examine various aspects of global economic change in a historical perspective; b) been familiarized with different elements of economic development or crisis in history; c) gain critical insights into the nature of economic affairs of a globalized environment in the historical past.

This course analyzes the economic space of Europe in a dialogue with the social and political space of other geographical areas (USA, Africa, Asia, etc.). It examines issues related to the global economy in the perception of the Braudel's *longue durée* (industrialization, imperial expansion, and empires, market economies, state intervention, welfare state, economies in liberal or totalitarian regimes, migrations, loans and crisis, economy and war etc.), It focuses on the notion of globalization and analyzes the processes through which the economic space experience development or backwardness. It analyses the spatial inequalities produced in the economic and social space of this *longue durée.*

Module Leader: G. Kritikos, Professor

Sustainable Urban Development

Basic objective of this optional module on Development is specialization and thorough consideration of the case of Sustainable Urban Development. In the context of the course the students become familiar with the principles, criteria, tools and methods for the identification / diagnosis of development problems from the perspective of environmental, social, economic and institutional urban sustainability. Additionally the students learn about the contradictions and ambiguities of sustainability and practice interpretation and analysis of causal origins of urban sustainable development problems and utilization of conventional and innovative instruments and processes to promote sustainable urban development.

Module Leader: K. Sapountzaki, Professor

Safe Cities

The Safe Cities course is structured according to theory lectures and student works. The learning outcomes of the course consist of an introduction of the students to the notion of safety in urban areas and to the appropriate policy systems stipulating the incorporation of safety measures in spatial planning and development policy. The course content is structured upon the following sections: The concepts of Safety, Vulnerability, Resilience, Prevention, and Risk Mitigation Planning in urban development; The contemporary urban facets of vulnerability and safety. Recovery-reconstruction planning. The design of

integral monitoring and decision-making systems, for vulnerability reduction. The current developmental dynamics and obstacles to urban safety in Greece. The safety rationale of Greek cities, the geographic-physical dimension, the temporal–operational dimension. Urban governance and safety- introducing the safety element; experiences and methods from the European and international setting.

Urban- Spatial Planning

The objectives of the course are as follows: (a) presentation and elevation of the content, aims and significance of planning as a process combining political and scientific / technical components; (b) elevation of the strong relationship between development planning and spatial planning; (c) presentation of the history of urban planning theory since 1945 and interpretation of the successive planning phases and paradigm changes on the basis of the respective historical changes in socio-political contexts and the prevailing trends in philosophy and science; (d) familiarization of the students with urban spatial plans for metropolitan regions and medium and small sized urban settlements; (e) presentation of the Greek urban spatial planning system (tools, processes etc) and enhancement of the capability of the students to analyze and criticize examples of plans on the basis of specific normative and political frameworks; (f) supplying the students with knowledge and skills and political thinking besides so as to be prepared for a profession relevant to planning and negotiation in urban spatial policy-making.

Module Leader: Adjunct Lecturer

Geographical Information Systems II

In this course a thorough examination of Geographical Information Systems is implemented. The main aims are the presentation of GIS analytical functionality, the integration of GIS with other related technologies (e.g. Remote Sensing and Global Positioning Systems) and the construction advanced technical skills on the topic. Upon successful completion of the module the students should be able to design a GIS project in both theoretical and practical terms, and carry out, successfully, case studies concerning various GIS applications in Geography.

Module Leader: C. Chalkias, Professor

Geoinformatics Applications Development

This module aims to introduce students to the development of computer applications (software development) in the areas of spatial analysis and geoinformatics and deepen their knowledge in statistical programming. This module also aims to inform students on spatial data visualization capabilities with writing code. The technical knowledge acquired by the student refers to software development in the programming language R for implementing Statistical algorithms, Spatial Analysis and data management with GIS principles. This is done in order to support calculations and function that are not necessarily provided by the relevant commercial software.

GNSS Technology and Navigation

The course aims to gain knowledge about GPS and navigation, instruments used for this purpose and applications with emphasis on natural disasters. Technical issues of navigation and related applications.

Module Leader: I. Parcharidis, Professor

Special Topics in Spatial Economic Analysis

The main objective of this module is to introduce students to concepts of human spatial behavior. For the purpose of this objective this module is concerned with two theories in the science of geography that can be applied to real data with spatial analysis methods. The first theory refers to the Spatial Interaction Models and the second to Spatial Cognition. Examples are given mainly for the application of the first theory, such as those in internal migration, trade and home-to-workplace commuting.

Applied Geographical Information Systems

The main subject of this course is to introduce to the students the advanced spatial analysis with the use of GIS as well as to the GIS-based applications. Students are encouraged on project work in the field of applied GIS. The main target is the design, organization and implementation of real GIS projects using and enriching theoretical knowledge and technical skills of previous courses.

Module Leader: Adjunct Lecturer

Geography Didactics

The module is approached in an interactive mode which includes actions by both the lecturer and the students. Students are expected to form a picture of a scientific and focused teaching of the subject of Geography as well as the challenges involved, and to gain some teaching experience.

Module Leader: D. Zbainos, Assis. Professor
Dpt of Economics and Sustainable Development

Foreign Language Elective I (6th & 8th semester)

English I (Elective)

Aims of the course:

By the end of this course students:

will have further developed all four academic skills in the English language

will have worked on subject specific texts & reference skills

Course content

Students are taught how:

1. to organise information in paragraphs & exemplify
2. to compare and contrast
3. to give academic definitions
4. to describe and explain graphs & trends
5. to prepare for an academic presentation

Module Leaders: V. Aeginitou, N. Vlachogianni

French I (Elective)

The principal aims of the course are to develop the students' knowledge and understanding of French. Through a planned program of activities students are expected to develop all four skills (Reading, Writing, Listening and Speaking) with more emphasis on grammar and structure. Scientific texts are analyzed in terms of content and terminology. Another goal is critical evaluation of scientific texts, in terms of content, cohesion and coherence. The revision of the basic points of grammar and syntax through relevant exercises, is completed. Moreover, there is practice in oral presentation techniques and listening skills.

Module Leader :A. Zissimopoulou
Special Teaching Staff

7th Semester

Environmental policy

The objective of this course is on one hand the analysis of multidimensional environmental protection policies and on the other hand their close relationship with the economy and society. The understanding of this triple vital relationship will give the opportunity to students to approach, with a critical view, these policies at national, European Union and international level.

Geoarchaeology

Geoarchaeology has defined as the application of earth science methods to solve archaeological problems. The goal is to reveal aspects of the intersection of the environmental matrix and past socio-economic systems and thus understand the past geography of an area. The methods involved are diverse, and field applications include geomorphology, climatology, geochronology, stratigraphy, pedology, sedimentology, and geoecology. This course is intended to provide an introduction to some of these methods with emphasis given upon the reconstruction of ancient landscapes. The objective is to

integrate all this methods and provide the students with the skills to study palaeoenvironments and particularly man-land interactions during antiquity.

Introductory concepts: the domain of geoarchaeology – the archaeological science. Paleoclimatology: glacial cycles – Quaternary climate. Dating techniques. Geoarchaeological foundations: natural sediments – paleosols – anthropogenic sediments – site formation processes – stratigraphy. Man and environment in prehistory. Paleoenvironmental reconstruction: evidence for palaeoenvironmental changes – glacial and periglacial environments – aeolian environments – lakes – alluvial environments – coastal environments – caves and rockshelters.

Ecosystem Services- Assessment and Mapping

The course of assessment and mapping of ecosystem services (ES) aims to introduce the students to the various biophysical processes that are able to supply benefits to people, those being defined as services. The students will be able to familiarize themselves with the notions of nature's contributions to people, social-ecological systems and ecosystem services. Through lectures, practical, hands-on exercises and small projects, students will acquire the necessary skills to be able to assess and map ecosystem services.

Course contents:
- Social-ecological systems: theory and conceptual frameworks
- Ecosystem services: methods and tools
- Applications of ES assessments in different systems (marine, terrestrial, rural)
- Methods of ES mapping and introduction to basic tools for ES assessments (participatory mapping, crowdsourcing, earth observation, R, ArcGIS, InVEST)
- Data for ES assessments: prerequisites, major data sources, challenges
- Use of reading of ES maps, user-centered design and thinking
- Comparative analysis and choices for ES mapping methods for given examples.

Module Leader: E. Drakou, Assis. Professor

Fluvial Geomorphology

The course of Fluvial Geomorphology is an introduction to drainage networks and drainage basins. Among the main objectives of the course is to empower students in better *understanding* of fluvial processes (erosion, transportation, deposition) and fluvial landforms. The basic aim of the course is the understanding of principal evolutionary mechanisms and morphological features of fluvial landforms (river channels, knickpoints, fluvial terraces, flood plains, alluvial fans). Lectures include laboratory tutorial which help students become familiar with practical issues like the calculation of long-term stream incision rates in tectonically active areas, quantitative geomorphological analysis of drainage networks and catchments etc. The

course also considers some of the practical aspects of various methodologies of geomorphological mapping of fluvial landscapes. During the course a one-day field-trip is organised. The aim of the field-trip is the assimilation of the theoretical knowledge and the recognition of fluvial landforms in the field.

Module Leader: Adjunct Lecturer

Special Topics in Economic Geography

The course is a specialization of Economic Geography. It explores the associations of Information and Communication Technologies (ICT) with geographical space. More specifically, it aims to provide answers to two interrelated questions: a.) which are the main changes in location factors and spatial configuration of big firms due to ICT applications? and b.) ICT applications provide small firms, both in urban and rural areas, with new opportunities? A series of introductory lectures present the main issues of Economic Geographies of internet, globalisation and the "new economy". Then, students present essays on the effects of ICT applications, mainly e-commerce and social media networks, to specific firms and places.

Module Leader: S. Skordili, Professor

Geography of the European Union

The purpose of this module is to examine the different aspects (social, economic, political, cultural) of the geography of the EU and to help students to:

- develop knowledge and critical understanding of the EU – its historical development and institutional structure;
- consider the process and the mechanisms of policy-making in the EU;
--identify and understand the challenges European citizens are confronted with in a wide range of areas in the EU policy-making (economy, agriculture, environment, nationalist or other movements migration, etc.);
-explore the enlargement process of the European space in the *longue durée* and to evaluate its impact upon the individual or collective identities of the citizens of the member states.

Students who take this module should at the end have obtained: a) insights into the nature of comparative study and European affairs, b) understanding the key dynamics and problems of European integration, c) an ability to analyze the spatial inequalities as well as the relationship between the economic, cultural and political spaces of the EU.

This module traces the effects that membership in the EU has on our lives and our sense of place. It traces the conditions and the people that put forward the idea of a united Europe before and after the Second World War. It investigates the role of different EU institutions (Parliament, Commission, etc.). It examines the problems European citizens are confronted with and explores the key dynamics of European enlargement. It researches the perception of the European space in literature, in legislation, in politics, etc. It analyzes how different areas and centres of European policy-making - respecting security or

foreign policy, pollution and environment, agricultural production, monetary system and economy, peripheries, geopolitical boundaries, migrations, nationalisms – influence the daily lives of European citizens and challenge our assumptions about nature, financial stability, space and individual or collective identities.

Module Leader: G. Kritikos, Professor

Special Topics in Spatial Economic Analysis

This module aims to provide students with advanced knowledge about key approaches and issues related to regional economies. In order to achieve this aim, a number of key issues are addressed including determinants of regional growth and development, regional convergence vs. divergence, regional poverty and policy. In addition to this, particular attention is paid to understanding and analysis of practical issues at regional and intra-regional levels, using spatial statistics and spatial econometrics. By the end of the course students should be able to (i) identify the core concepts and principles of regional economic growth and convergence (ii) understand key factors informing regional policy and pinpoint policy options to overcome regional inequality and uneven development and (iii) analyze spatio-economic relationships employing appropriate empirical methods and techniques.

Module Leader: P. Artelaris, Assis. Professor

Geopolitics

This module is related to geopolitics, geo-economics and the broader concept of global security that in a way examines the political and economic relations that 'hold' this world together and guarantee the survival of humanity as 'species'. More to the point, the concept of geo-economics refers to a transition from classical geopolitical thinking based on conflict and war to a more complicated and perplexed notion of power as economic diplomacy and antagonisms.

Module Leader: G. Mavrommatis, Assis. Professor

Land Policy

The learning outcomes of the course consist of an overall introduction to the field of Land Policy (conceptual frameworks, methodological approaches, policy tools, interrelations with other research and policy fields) and a deep understanding of how this policy field interrelates to spatial planning, to land and property values and to real estate property management issues. Moreover the course aims at building the insights for students regarding the importance of Land Policy as a distinct scientific field in geography studies.

The course content includes the following: Functions, activities and land-uses; intensity of development; factors affecting spatial development and land-use distribution; Land Uses and spatial development; registration and analysis of

land-use patterns; land-use mapping and land-use planning; Land uses and distinct approaches (housing, industry, retail, services, infrastructure).; Land tenure patterns and spatial development; Land Policy tools; rent control policies, compulsory purchase, planned intervention, taxation policy-surplus values and value capture, land registration and cadaster, air rights development, pre-emption rights, free bargaining; Land policy and real-estate asset management in distinct spatial systems and planning cultures; Analysis of Land Policy experience in Greece; Land uses, land values and vulnerability; land policy and safety; Vacant-abandoned property assets; Public land and common land; Critical presentation of cases, and implemented land policies in Europe and Greece.

Module Leader: Adjunct Lecturer

Geography of Transport and Infrastructure

The objective of the module is the understanding of transportation strategy, management and control in the new global geography and in the framework of supply chain management and sustainability: infrastructure, means of transportation and practices towards cost effective transport process.

Module Leader: G. Malindretos, Assoc. Professor
Dpt of Economics and Sustainable Development

Spatial Analysis Application in Real Estate Management

The main objective of this module is to introduce students to the use of new technologies and geoinformatics (such as Geographic Information Systems and geospatial data on the web) in property management in the private sector (such as Property Management Companies) and public sector (such as National Cadastre & Mapping Agency S.A.). An additional aim is the introduction to property valuation based on the European Valuation Standards as they are used in the real estate market in Greece. Moreover, a thorough presentation of the Geographically Weighted Regression (GWR) method to estimate property values based Hedonic Price Modelling theory takes place. It is a requirement for this module that students have a good knowledge of statistics, spatial analysis and GIS.

Special Topics in Remote Sensing

The aim of the course is the familiarization of the students with advanced techniques of satellite images processing as well as go into interpretation of special remotely sensing imageries. During the course, students are assigned applications concerning the natural and human environment..

Module Leader: I. Parcharidis, Professor

Statistical and Numerical Methods

This module offers an in depth analysis of specific statistical topics useful in exploring geographic data. Additionally it initiates students into basic

principles of numerical analysis. Students are highly encouraged to combine acquired knowledge so as to create and analyze algorithms in order to solve geographical problems.

Module Leader: Adjunct Lecturer

Geoinformation in Environmental Management

The course aims to offer a deeper knowledge and technical skills to the students on the use of a wide spectrum of geoinformation technologies and of their practical applications in managing the physical and manmade environment. The module includes the following units: geoinformation in managing the physical, agricultural environment, urban/ manmade environment, ocean and coastal environment, geoinformation in biotic and abiotic hazards, geoinformation in planetary science, geoinformation-based operational products in environmental management.

Module Leader: G. Petropoulos, Assis. Professor

Foreign Language Elective II (7th semester)

English II (Elective)

Aims of the course

By the end of this course students:

- will have developed all four academic skills in the English language
- will have been introduced to subject specific texts & reference skills

Course content

Students are taught how:

- to write cause - effect, problem- solution paragraphs
- to decsribe graphs & trends
- to provide citations and compile a Reference list
- to give presentations & participate in debates
- to write academic papers

Module Leaders: V. Aeginitou, N. Vlachogianni
Special Teaching Staff

French II (Elective)

The principal aims of the course are to further develop the students' knowledge and understanding of the foreign language. Scientific texts are analyzed in terms of content and terminology. Another goal is critical evaluation of scientific texts, in terms of content, cohesion and coherence. The revision of the basic points of grammar and syntax through relevant exercises, is completed. Moreover, presentation skills are further developed.

Module Leader :A. Zissimopoulou
Special Teaching Staff

5. THE STAFF

Academics

Panagiotis ARTELARIS **Assistant Professor**
Spatial Economic Analysis

He holds a B.Sc in Economic and Regional Development from the Department of Economic and Regional Development, Panteion University of Social and Political Sciences (1999), a M.Sc. from the same Department (2002) and a Ph.D in Regional Economics and Development from the Department of Planning and Regional Development, University of Thessaly (2009). His research interests include Regional Economics, Regional Development and Policy, Economic Geography, Methods of Spatial Economic Analysis

George BALLIAS* **Associate Professor**
Environmental Policy

He holds a Bachelor of Law from the Aristotle University of Thessaloniki (1977) and a PhD in Environmental Law from the National and Kapodistrian University of Athens (2008). His research interests focus on Environmental Impact Assessment, Human Rights and Environment, Climate change, GMOs, Chemicals, Waste management, Environmental Liability, Environmental Governance.

Christos CHALKIAS **Professor**
Geographic Information Systems and Applied Geography

He holds a Diploma in Geology from the National and Kapodistrian University of Athens (1991) and a PhD in Physical Geography - Geoinformatics from the same University (1996). His research interests include Geographic Information Systems Science, Applied Geography, Spatial analysis, Intification of spatial patterns, Health GIS, Modeling of Natural Disasters.

Pavlos-Marinos DELLADETSIMAS* **Professor**
Urban Geography, Planning and Safety Planning

He holds a Diploma in Architecture from the Universita Degli Studi di Firenze (UDFI) (1978), a Diploma in Development Planning from the Bartlett School of Architecture and Planning, University College London (1979) a Master of Philosophy in Town Planning (MPHIL) from the Bartlett School of Architecture and Planning, University College London (1981) and a PhD in Spatial Planning from the National Technical University of Athens, (1991). He is an RTPI menber, His research interests include spatial planning, safety, planning, land policy, social and economic impacts of natural hazards and urban geography.-+

Evangelia DRAKOU **Assistant Professor**
Environmental Physical Geography

She holds a Bachelor's in Biology from Aristotle University of Thessaloniki (2005) and a PhD in Landscape Ecology (2009) from the same institute. She also holds an Academic Teaching Qualification (2020) from University of Twente in the Netherlands. Her research interests include physical geography, with a focus on processes that shape the biosphere. She specializes in the assessment and mapping of ecosystem services and nature's

contributions to people, especially in marine and coastal systems. She is also particularly interested in producing scientific knowledge through education and user participation, for its better uptake by policy and decision-makers. She leads the Greek Ecosystem Services Partnership and other groups (on marine systems, mapping and indicators) within the partnership, and is coordinating activities within GEOBON (Group on Earth Observations – Biodiversity Observation Network).

Efthymios KARYMBALIS **Professor**

Coastal and Fluvial Geomorphology

He holds a BSc. in Geology from the Department of Geology, National and Kapodistrian University of Athens, Greece (1992) and a PhD in Geomorphology from the same University (1996). His research interests focus on Fluvial Geomorphology, Coastal Geomorphology, Palaeogeographic evolution of coastal areas – sea-level fluctuations, Morphotectonics, Natural Hazards (floods, sea-level rise, shoreline erosion), Geomorphological mapping.

Petros KATSAFADOS **Associate Professor**

Atmosphere and Climate Dynamics

He holds a BSc. in Mathematics, Department of Mathematics, National and Kapodistrian University of Athens, Greece, (1993), a MSc in Environmental Physics, Department of Physics, National and Kapodistrian University of Athens, Greece, (1996) and a PhD in Atmospheric Dynamics and Modeling, from the same University (2003). His research interests include Numerical weather prediction and data assimilation systems, Regional climate and air-sea-land interactions, Operational weather prediction, Integrated systems for the production and dissemination of environmental and climatic information.

George KRITIKOS **Professor**

Historical Geography of Modern Times

He holds a B.A. in history from the department of History and Archaeology at the National and Kapodistrian University of Athens (1990), a MPhil in European Studies at the Department of International Relations and History at Cambridge University, G. Britain (1992) and a PhD, Department of History and Civilization, European University Institute in Florence (2002). His research interests focus on Nations and Nation-states in historical geography, Individual and collective identities in space, Refugees - migrants, European space: borders, institutions and politics of security.

Constantia-Aikaterini LASARIDI **Professor**

Geography with emphasis on Environmental Management and Technology

She holds a BA in Physics, Department of Physics, National and Kapodistrian University of Athens, (1989), a M.Sc. in Environmental Protection Technologies, Department of Fuel & Energy, University of Leeds, UK, (1991) and a Ph.D. in Civil and Environmental Engineering, School of Civil Engineering, University of Leeds, UK, (1998). Her research interests include Sustainable waste management and resource efficiency, Extended Producer Responsibility (EPR) – Waste prevention – Valorisation of organic waste and residues – Composting, Industrial Ecology, Environmental risks and environmental security.

George MAVROMMATIS **Assistant Professor**

Political Geography

He holds a BA Honours Degree in Economics, Faculty of Law, Economic and Political Sciences, National and Kapodistrian University of Athens (1994), a MA in Communication, Culture and Society, Goldsmiths College, University of London, U.K (1998) and a PhD degree in Social Sciences, Goldsmiths College, University of London, U.K. (2003). His research interests include Migration, migration policy, migrant integration, contemporary geopolitics, discourse analysis, ethnography.

Apostolos PAPADOPOULOS **Professor**

Rural Sociology and Geography

He holds a B.Sc. in Sociology, Department of Sociology, Panteion University of Social and Political Sciences. (Athens, Greece) (1987), a M.Sc. (Econ) in Sociology, Department of Sociology, London School of Economics and Political Science, (1989) and a D.Phil. in Geography, Department of Geography, University of Sussex, (United Kingdom) (1994). His research interests include Rural Sociology on Greece and Southern Europe, Impact of international immigration on rural areas, Immigrants, social integration and civil society, Geographies of migration.

Isaak PARCHARIDIS **Professor**

Remote Sensing

He holds a BSc in Geogical Sciences, University of Parma, Italy (1984) and a PhD in Remote Sensing from the Agricultural University of Athens, (1994). His research interests focus on synthetic aperture radar interferometry and very high spatial resolution remotely sensing data for natural disaster assessment, mitigation and monitoring.

George P. PETROPOULOS **Assistant Professor**

Geoinformation

He holds a Bachelor's in Natural Resources Development & Agricultural Engineering from the Agricultural University of Athens (1999), an MSc in Remote Sensing from University of London (2002) and a PhD in Earth Observation from King's College London (2008). His research interests include: geoinformation with emphasis on applications in physical geography/environment and/or human geography and/or spatial planning, the use of cutting edge technologies (Earth Observation, GIS, GPS, web, digital cartography) in geographical applications and the presentation, processing and analysis of geographical data.

Kalliopi SAPOUNTZAKI **Professor**

Applied Geography with emphasis in Spatial Planning and Protection from Natural Disasters

She holds a Diploma in Architecture from the National Technical University of Athens, (1980), a Master of Arts (MA) in Urban Design from the University of Manchester, (1981) and a PhD in Management of Natural Disasters and Spatial Planning from the National Technical University of Athens, (1990). Her research interests include Geographies of Risk and Vulnerability with respect to Seismic Disasters, Forest Fires and other versions of Natural Disasters, Management of Vulnerability, Resilience and Risk, Risk Mitigation and its Integration in Urban and Regional Planning, Sustainable Development and Spatial Planning, Territorial Governance, Risk Governance, Urban Governance.

Sofia SKORDILI **Professor**

Industrial Geography

She holds a BA in Business Administration from the Athens University of Economics (1982), a MSc in Regional Development from Panteion University of Athens (1988) and a PhD in Economic Geography from the Department of Urban and Regional Planning and Development, Aristotle University of Thessaloniki (2000). Her research Interests focus on Location and spatial configuration of economic activity, Strategies of spatial development of TNCs, Geography of globalized agro-food networks, Economic Geography of Retail, food safety and food security.

Alexandra TRAGAKI **Professor**

Economic Demography

She holds a B.Sc in Applied Mathematics from the University of Athens, (1992), a M.Sc. (D.E.A.) in Demography Economics from the Institute of Political Studies in Paris, (1993) and a Ph.D. in Economics, field Demography Economics, from the Institute of Political Sciences (Institut d'Etudes Politiques) in Paris (Sciences Po), (1997). Her research interests include Demography, Ageing and Economic Impacts, Migration, Social Security Issues, Regional Disparities, Economic Policy, Statistical Analysis.

Thomas MALOUTAS **Emeritus Professor**

Costis HATZIMICHALIS **Emeritus Professor**

* **BEING RETIRED IN 2021-2022 YEAR**

Laboratory Teaching Staff

Eveline DURIE
Elias MAVROMATIDIS
Nikolaos METAXIDIS

Administration

Zoi FOULIDI, Deputy Head of Secretary
Panagiota KEFALA, Secretary, Under-graduate Studies
Evangelia SEFERLI, Secretary, Under-graduate Studies

Polikarpos PAPADOPOULOS, Secretary, Post-graduate Studies

7. PROVISIONS AND OPPORTUNITIES OFFERED TO OUR STUDENTS

Educational visits and field trips

Short-lived educational visits and field work outside of the university campus are a significant part of the geography education and research experience acquisition process. The students directly experience both physical and human geography related phenomena, collect primary information and samples from the field, do measurements and autopsies, depict their observations through sketches, photography and mapping, and last but not least, they develop through practice team working ability and effectiveness.

Field work and visits are organized at most of the semesters of study; they are compulsory and specifically designed in duration and activities according to the needs of the modules.

Student Mobility

Studies abroad (ERASMUS+)

The Harokopio University Department of Geography promotes and advocates the mobility of students and the inter-institutional cooperation through European education programmes. Participation to the Erasmus+ is noticeably active and constantly increasing. Student mobility is based upon more than **48** Erasmus+ bilateral agreements with homologous or closely-related departments or faculties in **18 European countries**. The academic quality of the mobility procedure is assured assurance through the use of the ECTS (European Credit Transfer and Accumulation System) and the DS (Diploma Supplement).

Since the beginning of Erasmus+ Programme in 2013 more than **77 students** of Geography have attended courses at EU partner institutions while the number of incoming students has been steadily increasing.

For more information about the Student Mobility, contact the Harokopio University Erasmus Office (Tel. +30 2109549 225, e-mail: erasmus@hua.gr)|. Visiting address: El, Venizelou 70 |Kallithea 176 71|.

Placement abroad (ERASMUS PLACEMENT+)

The students of the Department of Geography have the opportunity to implement an internship abroad for a duration lasting from two until six months in organizations and enterprises related to geography.
Eligible for placement are undergraduate, post-graduate students and Ph.D. candidates, as well.
For more information about the Placement Abroad, contact the Harokopio University Career Office (Tel. +30 2109549 116, e-mail: career@hua.gr) or the

Erasmus Office (Tel. +30 2109549 225, e-mail: erasmus@hua.gr)|. Visiting address: El, Venizelou 70 |Kallithea 176 71|.

Intensive program in Spatial Development Planning

The Intensive program in Spatial Development Planning originates from a European partnership, in which the Harokopio's Department of Geography is founder member and member of the coordination team. The Intensive Program in Spatial Development Planning has been unfailingly organized each year. The sstudents coming from all the partner institutions are intensively trained during two weeks in specific thematic fields of spatial planning in distinct areas of the each host city, taking place every two years. During the academic year 2013-14, the Intensive program operated in Ankara, at METU – Middle East Technical University; before that it took place in Athens, Milano and Stockholm. The partner institutions are: Newcastle University, KU Leuven, KTH, Università degli Studi di Roma "La Sapienza", TKK - Helsinki University of Technology, Politecnico di Torino, STU - Slovak University of Technology,, Università degli Studi di Milano – Bicocca (Italy), Utrecht University (The Netherlands), Università degli Studi di Napoli Federico II (Italy), EHU - University of the Basque Country (Spain), Università degli Studi Mediterranea di Reggio Calabria (Italy), WU - Vienna University, RUG - Groningen University, Ecole Polytechnique de l'Université François Rabelais de Tours (France). In collaboration with the aforementioned partners the Department of Geography (Harokopio University) is in a phase of re-elaboration for a potential renewed participation in the context of the changing conditions and related requirements posed by the related European institutions.

International Module in Spatial Development Planning

The Harokopio University Department of Geography as member of the international European Spatial Development Planning Network takes part unfailingly since the 2002-2003 academic year to the Postgraduate Program **International Module in Spatial Development Planning - IMSDP** (*https://esdp-network.net/the-imsdp-overview*). Staff academic members, post-graduate students and PhD candidates of the Geography Department take part annually in the IMSDP. Currently the programme is coordinated by the KU Leuven. Other partner institutions are: Newcastle University, KTH – Royal Institute of Technology, Università degli Studi di Roma "La Sapienza", METU, TKK, Politecnico di Torino (Italy), Université des Sciences et Technologies de Lille, STU - Slovak University of Technology, Bratislava (Slovakia), Università degli Studi di Milano – Bicocca (Italy), Utrecht University, Università degli Studi di Napoli Federico II, EHU - University of the Basque Country, Università degli Studi Mediterranea di Reggio Calabria, WU - Vienna, Ecole Polytechnique de l'Université François Rabelais de Tours, University of Melbourne, Federal University of Rio de Janeiro (Brazil).

The Program has been conferred the "AESOP Excellence Award in Planning Education" by the Association of European Schools of Planning. Additional mobility opportunities to European countries are offered to Post-Graduate students from the Harokopio University Department of Geography through other cooperation schemes, and especially the **European Spatial Development Planning** (*https://esdp-network.net*).

8. POSTGRADUATE STUDIES AT THE DEPARTMENT OF GEOGRAPHY

The Department of Geography operates from the academic year 2005/2006 a Postgraduate study Programme (PSP) in "Applied Geography and Spatial Planning".
The duration of the full-time Program is three (3) semesters minimum, the first two of them being devoted to taught courses and the last one to Diploma Dissertation, whereas for the part- time Program is six (6) semesters minimum.

The PSP in "Applied Geography and Spatial Planning" runs three independent streams:
Stream A: Management of Natural and Human Induced Hazards and Disasters which addresses the natural and environmental risks and their interpretations, the analysis of the natural processes related to disasters, the social and economic impacts of disasters, the concept of vulnerability, the use of modern/cutting-edge technologies for the management of disasters, the prevention policies and the preparedness, as well as the emergency and disaster recovery management.

Stream B: European Policies, Planning and Spatial Development which addresses the European institutions and the European integration process, the spatial planning at national and European level, the theories and practices in regional development, the development of European cities and rural areas, the social exclusion and segregation, and the migration policy and flows in a multi-scaled approach. In addition, there is training on methods of scientific research in geography and quantitative analysis.

Stream C: Geoinformatics which addresses technologies of geoinformatics and their special applications in geographical data analysis, the spatial data bases, the sophisticated techniques in using of geographical information systems and remote sensing, geographical data simulation/modeling, and spatial analysis techniques.

Although each Stream runs autonomously, there are synergies amongst them (i.a. some modules are common, optional module may be chosen from other Stream). The Academic staff of the Department of Geography takes the opportunity to invite as external speakers eminent scholars and scientists from Greece and abroad.

The Postgraduate study Programme aims at (a) creating a future task force of executive scientists able to plan and manage interventions at different scales in the urban and regional space, (b) training future highly competent specialists who will staff the public sector, private sector and/or third sector organizations, and at (c) promoting research and production of original knowledge in the field of Applied Geography and Spatial Planning.

The Postgraduate Programme confers the **Postgraduate Diploma of Specialization of Applied Geography and Spatial Planning** .

The official bodies for the organization and operation of the Postgraduate Programme are the General Assembly of Special Composition in the Department of Geography, the Coordinating Committee and the Director of Postgraduate Studies.

9. RESEARCH AND OPENNESS

Research is an integral part of the academic operating mode of Harokopio University, and has i.a. a leading role in the continuous improvement of the educational process. The Geography Department's goal is excellence in order to meet the needs of the society, to advance knowledge and to link the researchers with the labour market The research carried out at the Department of Geography focuses on contemporary fields of the geography science and concerns specific topics of Human Geography, Geosciences, Environment, Spatial Planning and Geoinformatics.

During the last 5 years, about 35 research projects have been implemented through the Harokopio University Research and Education Committee.

The Department of Geography is continuously involved in organizing and co-organizing International and National conferences, colloquia, workshops, on a wide range of geographical interests. Within the framework of these scientific activities, the Harokopio University Department of Geography has invited and hosted for lectures distinguished geography scholars as David Harvey, Doreen Massey, Edward Soja and Derek Gregory, and others colleagues.

The academic staff of the Department has developed cooperation and shares research activities with international research teams, publishes in international scientific journals and presents research outcomes in international conferences. Besides, the Harokopio University Department of Geography stands internationally through the participation of its academic staff in editorial boards of scientific journals and through the distinction awarded to its members.

In order to facilitate and strengthen research, the Department of Geography has signed memoranda of understanding on cooperation in research and education with scientific organizations and organizations of the civil society (National Hellenic Research Foundation – NHRF - EIE, World Wildlife Fund - WWF, École française d'Athènes - EFA, Hellenic National Center of Social Research –EKKE, and currently under discussion with the Hellenic Military Geographical Service and the Mediterranean Agronomic Institute of Chania – MAICh).

The Department of Geography is also member of international networks as AGILE - The Association of Geographic Information Laboratories for Europe (OpenGeospatial Consortium), iMnet – Immigration Mediterranean Network, among others.

The Department of Geography provides climate forecast and assessment of the atmospheric emission through the network of surface meteorological stations operated by the Atmosphere&Climate Dynamics Group (ACDG) http://meteoclima.hua.gr/.

The Remote Sensing Team of the Department of Geography is actively involved in the use of Space Earth Observation Systems and focuses on natural

disaster assessment, mitigation and monitoring. https://huaremotesensingteam.wordpress.com/.
From 2001, the secretariat of the Postgraduate Study Programme of the Department of Geography hosts the bi-annual scientific journal GEOGRAPHIES (www.geographies.gr) published by the editions Nisos.
Contact address: geographies@hua.gr

10. INTERFACE WITH SOCIETY

The Harokopio University Department of Geography has developed important cooperation with many regional, local and national productive bodies. These are i.a. Administrative units (Regions, Municipalities), development agencies, Non-Governmental Organizations, Research organizations and private companies. The Academic staff members submit research proposals in common with these productive bodies, take on and tackle the scientific issues, provide scientific consultancy. Executives of these bodies have been invited to give lectures to undergraduate and postgraduate students of the Department of Geography. These bodies are regularly hosting students of the Department for internship within the framework of Placement.
The Department of Geography stands out in implementing successfully lifelong learning programmes aiming at retraining graduates of universities. Through its cooperation with the Harokopio University Career Office, it is also involved in activities related to the professional orientation of school pupils, to the information of citizens on professional prospects and scientific outcomes of geography science, and to the promotion of the Department of Geography. With the same goal, specific activities and visits addressed to the pupils of the Secondary schools are organized on a regular basis.

Within the framework of the aforementioned cooperation, the Department of Geography has been visited by schools of all over the country, has participated in "open doors information weeks", has organized a "Space week" along with numerous other activities aiming at information and sensitization of the pupils and the local society to the Geography science.
Moreover, activities aiming specifically at the training of public and private bodies personnel on issues related to the Geography science are regularly organized (e.g. training of school teachers).