



DEPARTMENT OF ECONOMICS

UNIVERSITY OF PATRAS

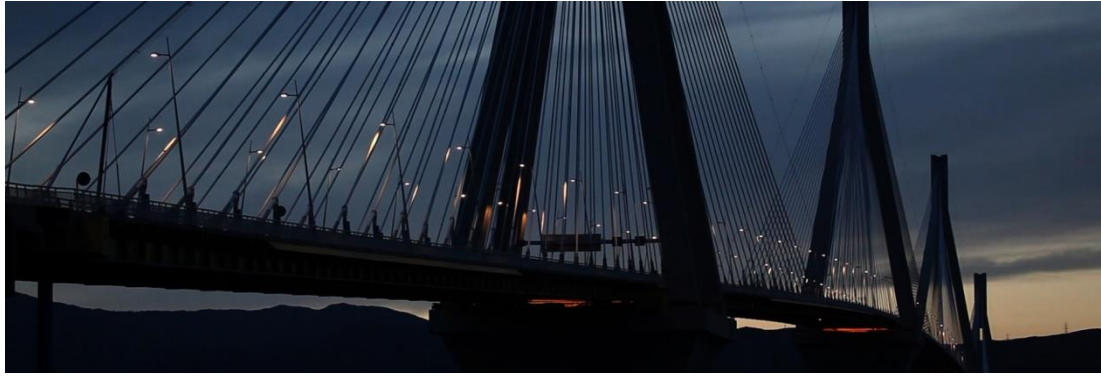


Academic
year
2015-2016

ECTS GUIDE UNDERGRADUATE PROGRAM

September 2015





Preface

Welcome to the Department of Economics of the University of Patras.

This guide provides information about the University of Patras and the Department of Economics, and it also describes our undergraduate program for the academic year 2015-2016. It is addressed to all students wishing to be informed about our degree program, including students from other European universities with which the Department of Economics collaborates, or is likely to collaborate in the future, under the LLP ERASMUS Program.

Additional information about the University of Patras and the Department of Economics is available at www.econ.upatras.gr and www.econ.upatras.gr.

Professor Efthalia Dimara
Head of Department of Economics
September 2015



Contents

THE UNIVERSITY OF PATRAS

- General Information
- Academic Calendar, 2015-2016

THE DEPARTMENT OF ECONOMICS

- General Information
- Teaching & Research Staff
- Structure of Undergraduate Program
- List of Courses Offered & Program Plan 2015-2016
- Content of Undergraduate Courses

LIST OF USEFUL ADDRESSES



The University of Patras

GENERAL INFORMATION

The University of Patras was founded in 1964 as a self-governing institution under the supervision of the Ministry of Education. It started to function in the academic year 1966-67. Today, it is the third largest university in the country. It enjoys recognition as an academic institution with a worldwide impact, attracting thousands of students and a large number of academic personnel actively involved in the cutting edge of science, innovation and excellence.

The University is organised into five Schools, containing Departments of related academic fields. Currently, there are twenty-four Departments offering 4-to-6-year degree programs. The *School of Natural Sciences* consists of the Departments of Biology, Chemistry, Geology, Material Science, Mathematics and Physics. The *School of Engineering* consists of the Departments of Architecture, Chemical Engineering, Electrical & Computer Engineering, Civil Engineering, Computer Engineering & Informatics, Mechanical Engineering & Aeronautics and the Department of Environmental & Natural Resource Management. The *School of Health Sciences* is made up of the Faculty of Medicine and the Department of Pharmacy. The *School of Humanities & Social Sciences* consists of the Departments of Primary Education, Educational Science & Early Childhood Education, Philology, Philosophy and Theatre Studies. The *School of Business Administration* consists of the Department of Economics, the Department of Business Administration, the Department of Business Administration of Food & Agricultural Enterprises and the Department of Cultural Heritage & Management of New Technology.

The University of Patras has acquired international prominence for pioneering wide-ranging research in several areas, such as Environment, Health, Biotechnology, Mechanics, Electronics, Informatics, Basic Science, and Social Science. A number of its Departments have been designated as Centers of Excellence, on the basis of international assessment. The University publishes a monthly newsletter, which provides information about the major research activities of its academic staff as well other academic events.



The university campus is situated in Rio, just 10 km outside the city of Patras and about 200 km west of Athens. The University has 25 separate buildings, along with a Central Library, a Museum of Science & Technology, a Botanical Garden, and a Student Centre. Within the campus one can also find the Students' Residence Hall, a Conference & Cultural Centre, a Restaurant, a Bank, a Bookstore, cafeterias & kiosks, and the Regional University Teaching Hospital, which functions both as the major regional medical centre and as a teaching facility for the Faculty of Medicine. Several other facilities are available on campus, including a gymnasium, a post-office, a swimming pool, a nursery school, and a primary & secondary school for the children of the Academic Faculty & Administrative Personnel.

Together with the University's educational and research work, the rich campus life attracts many candidate students every year as their first choice for their Higher Degree studies. Today, the University of Patras has about 29,000 Undergraduate and 4,000 Postgraduate students, a total of 727 faculty members, 146 Teaching & Technical staff and 457 Administrative Personnel.

Since its early days, the major aim of the University of Patras has been the effective interaction with the European and international environment. International policy is achieved through the cooperation with universities and research institutions worldwide. Cooperation includes activities related to research, teaching, intensive programs and the development of common curricula, establishment of bilateral agreements, as well as the participation in international organizations, networks and associations. The University participates actively in the ERASMUS student/staff exchange program (LLP Erasmus & LLP Placement).

Patras, capital of the prefecture of Achaia, is known for its past and present. The region's history stretches back to long before the time of the Trojan wars, and the town is named, according to tradition, after Patreas, one of the leaders of the Achaeans. The patron saint of Patras, to whom the University is dedicated, is St. Andrew, the first chosen of the Apostles, who martyred here. Between the lofty Mt. Panachaiko and the waters of the Mediterranean, the city of Patras lies under its 15th century Venetian castle. With a population of 200,000 inhabitants, Patras is also a major commercial and industrial centre, "the gateway to the west" for Greece, and a significant entry point for tourists. The city's newly founded "Science Park" provides a

very good infrastructure for further future industrial & commercial development.

The city of Patras offers a wide variety of cultural opportunities. Many musical and theatrical events and festivals are taking place throughout the year, culminating in the International Summer Festival, which plays an important role in the city's cultural life as people become acquainted with different kinds of art. The city is also famous for its annual carnival, one of the best in Europe, which occurs in the pre-Lent period in February or March.



Along Patras' very attractive coastline, there are many picturesque seaside villages, which one can visit on a day trip. There are also several near-by islands to visit, such as the islands of Zakynthos, Kefalonia and Ithaka.



ACADEMIC CALENDAR

The academic calendar for 2015-2016 is as follows:

FALL SEMESTER	SPRING SEMESTER
Teaching Period: 28/9/2015 - 8/1/2016	Teaching Period: 15/2/2016 - 27/5/2016
Examination Period: 18/1/2016 - 5/2/2016	Examination Period: 6/6/2016 - 24/6/2016



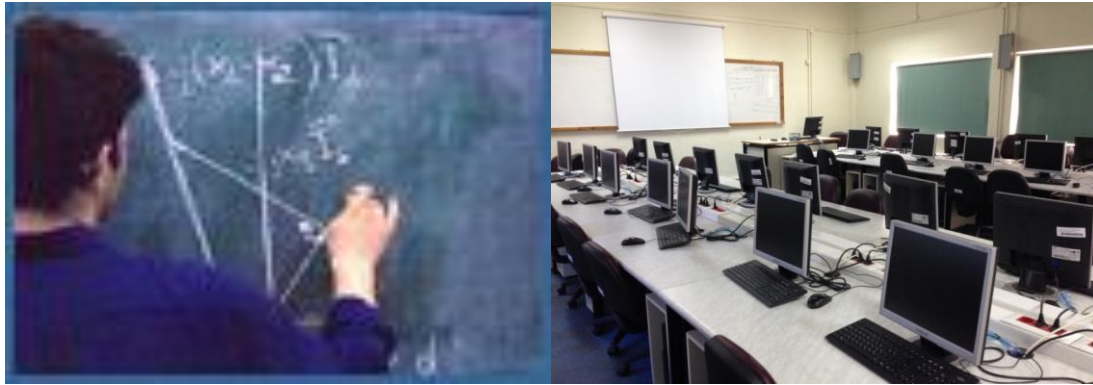
Department of Economics

GENERAL INFORMATION

The Department of Economics was established in 1985 and began its activities in the academic year 1985-86. During the period between the academic years 1985-86 and 1995-96, it operated on a satellite campus in Agrinio. From the academic year 1996-97 all the teaching and research activities of the Department have been conducted on the main campus in Rio, and from October 1998 it has permanently relocated there.

Since June 2013, the Department of Economics has become part of the *School of Economics & Business Administration*, together with three other Departments, the *Department of Business Administration*, the *Department of Business Administration of Food & Agricultural Enterprises*, and the *Department of Cultural Heritage Management & New Technologies*. The four departments collaborate closely in research and teaching. Dean of the School is Professor Dimitrios Skuras. For the academic year 2015-2016, Head of the Department of Economics is Professor Michael Demoussis.

The Department currently has a total of 1,900 students and teaches a full range of economics subjects at the undergraduate level. It also has a Master's programme, leading to an *MSc in Data Analysis & Applied Economics*, and runs a *Doctoral Programme in Economics*.



The Department of Economics is located North-West of the Administration Building of the University (area of *Old Air-force Unit*) and is housed in a number of separate small buildings. It has a 60-seat Computer Laboratory, equipped with all the latest statistical packages and other software. A Departmental Library is situated next to the Departmental Office. It lends books and other published material to students and also provides photocopying facilities.

The Department subscribes to all the leading economics journals and to several specialists journals related to the research activities of the faculty members. Students and staff members have access to this material through the University's Central Library, which, in addition to a large collection of books covering all the subjects taught in the various departments, also has a European Documentation Centre.



TEACHING & RESEARCH STAFF

Full-time Academic Staff

The Department of Economics currently has 15 full-time members of academic staff:

1. Professors

- Daouli, Joan (Ph.D.,1981, North Carolina State University, USA)
Research Field: Labour Economics, Microeconomics
- Demoussis, Michael (Ph.D.,1981, North Carolina State University, USA)
Research Field: Microeconomics, Labour Economics, Applied Econometrics

- Dimara, Efthalia (Ph.D., 1988, Université Pierre & Marie Curie, Paris VI, France). *Research Field: Applied Statistics, Data Analysis*
- Psaltopoulos, Dimitrios (Ph.D., 1995 University of Aberdeen, UK)
Research Field: Development Economics, Economics of Rural Development, Regional Economics
- Skuras, Dimitrios (Ph.D., 1990, University of Aberdeen, UK)
Research Field: Regional Economics, Economics of Natural Resources
- Tsekouras, Konstantinos (Ph.D., 1995, University of Patras, Greece)
Research Field: Economics of Industrial Organisation, Productivity & Efficiency Analysis

2. Associate Professors

- Argyros, George (Ph.D., 1994, University of Leicester, UK)
Research Field: Economic Law, Internal Market, European Integration, Labour Relations
- Patronis, Vasilios (Ph.D., 1992, Université Paris I - Sorbonne, France)
Research Field: Greek Economic History, History of Political Economy
- Venetis, Ioannis (Ph.D., 2000, University of Essex, UK)
Research Field: Theoretical and Applied Econometrics, Time-series Analysis
- Zervoyianni, Athina (Ph.D., 1989, University of Warwick, UK)
Research Field: Macroeconomics, International Macroeconomics, Economic Growth

3. Assistant Professors

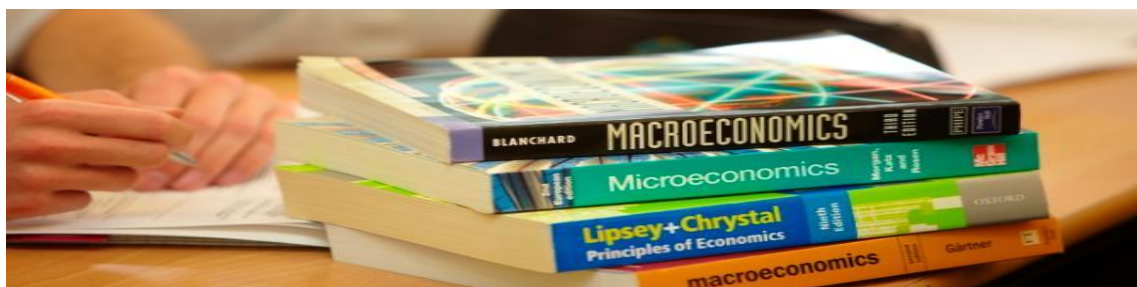
- Giannakopoulos, Nicolaos (Ph.D., 2006, University of Patras, Greece)
Research Field: Microeconomics, Economics of Human Resources, Applied Econometrics
- Kounetas, Konstantinos, (Ph.D., 2007, University of Patras, Greece)
Research Field: Industrial Organisation, Energy Economics
- Polymenis, Athanasse (Ph.D., 1997, University of Glasgow, UK)
Research Field: Statistics, Econometrics, Mathematics
- Tzagarakis, Emmanuel (Ph.D., 2003, University of Patras, Greece)
Research Field: Information & Knowledge Management
- Tzelepis, Dimitrios (Ph.D., 2002, University of Patras, Greece)
Research Field: Earnings Management, Accounting, Fraud Detection

Other Academic & Teaching/ Technical Staff

- Sypsas, Panagiotis (Ph.D., 1983, University of Lancaster, UK), *Emeritus Professor*
Field: Operational Research, Applied Statistics.
- Daskalou, Victoria, (Ph.D., 1998, Athens University of Economics & Business, Greece), *Special Teaching/ Technical Staff*
Field: Information Technology

The Department of Economics is placed high in terms of research and international recognition compared to other Economics Departments of Greek Universities and participates in the annual evaluation process of University of Patras. Information about the Department's research output can be found in the *Internal & External Evaluation Reports*, www.modip.upatras.gr

PROGRAM OF STUDIES



The Department of Economics provides a four-year single-subject Bachelor's degree program, firmly grounded in economic theory (micro and macro), quantitative methods (maths, statistics, and econometrics) and applied-economics subjects.

The undergraduate program is organized into semesters. There are two academic semesters in each academic year (a total of 8 semesters). Each academic semester consists of about thirteen teaching weeks. For the award of the BSc Degree in Economics, students are required to pass a total of 40 semester-long courses and complete with at least a "passing" grade a foreign-language course offered by the university's Foreign Languages Centre.

The degree-program consists of compulsory courses that every student must take (*core courses*), and courses that can be chosen by students according to their special interests (*elective courses*). Currently, economics students are offered a total of 47 courses. Of these, 20 are core courses and 27 are elective courses. Three out of the 27 elective courses are provided by the *Department of Business Administration*. Students normally take 5 courses (core/elective) per semester. Some courses have recommended prerequisites, so they should not be taken in the early years of study of students.

Each course is offered only once in each academic year, i.e., in either the fall semester, October-January, or the spring semester, February-June. The examinations for the courses offered in the fall semester are held at the end of January – beginning of February. Students who fail in any of these courses can participate in a resit examination in September. The examinations for the courses offered in the spring semester are held in June, and, if a student fails in these exams, he/she can again participate in the September resit examinations. Under the Greek educational system, students should complete their studies within an $n+2$ period, where n is the normal degree-program period.

Courses may consist of only lectures or seminars, lectures and seminars-tutorials, or lectures and practical work in the computer laboratory of the Department. For Greek students, assessment is only by written examination. The grades range from zero (0) to ten (10). The minimum passing grade is five (5). The final graduation grade is the average of the grades in all the semester-long courses that the student has successfully completed during his/her years of study. A useful conversion for local grades is: "Fail" - less than 5; "Pass" - 5; "Good" - between 5 and 6.5; "Very Good" - between 6.5 and 8.5; "Excellent" - above 8.5.

For students whose native language is not Greek, the examination papers can be in English and English textbooks, with content similar to the Greek textbooks used for the courses, can be found at the Departmental Library or the Central Library. Non-Greek students should have a good working grasp of the English language and should also be familiar with the use of computers (e.g. Internet, Word).

Every student coming to the Department of Economics is assigned to a *personal tutor* who is a full-time member of the academic staff. His/her role is to give students support and guidance on academic matters, including advice on the choice of elective courses, as well as on any other matters that may affect their studies.



The Department of Economics participates in the student/staff mobility program *LLP ERASMUS*. It has bilateral student-exchange agreements under this program with a number of European universities, including the University of Bologna (Italy), University of Napoli-Parthenope (Italy), University of Granada (Spain), Seinajoki University (Finland), Helsinki University (Finland), Masaryk University (Czech Republic), VCEM University (Czech Republic), Zilina University (Slovakia), Szolnok College (Hungary), Opole University (Poland), Akdeniz University (Turkey), and Institute d'Etudes Politiques de and Toulouse (France).

Incoming ERASMUS students:

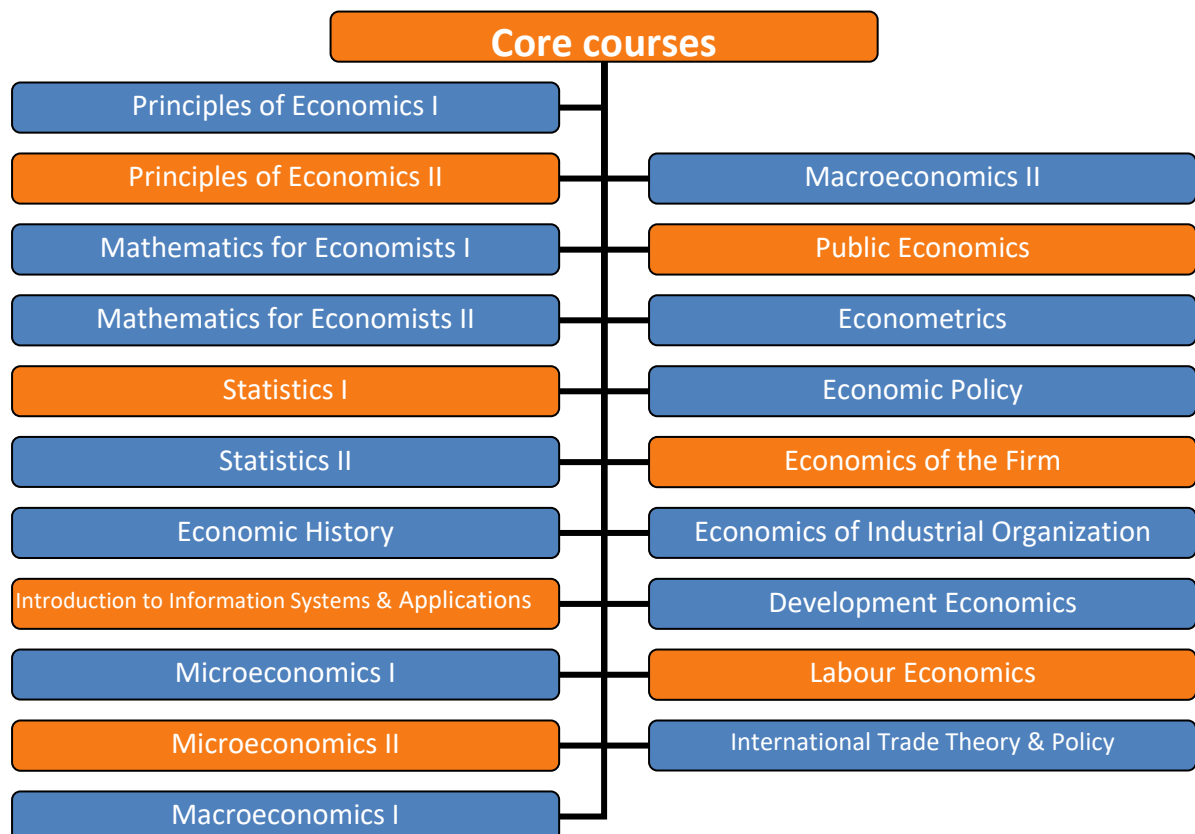
- ❑ can take all the courses of the Department's undergraduate curriculum as reading courses in English (members of the academic staff provide incoming students with suitable textbooks and other material in English). Students are usually examined in these courses by one of the following three options.
 - Option A. 3 to 4 oral 20-minute presentations, followed by a session of questions and discussion. Presentations are spread approximately in weeks 4, 7 and 11 or 12 every semester.
 - Option B. 1 essay of 15,000-20,000 words, delivered in electronic and hard form by the end of the semester, which addresses a major issue related to the content of the corresponding course
 - Option C. Written exam in English, at the end of the semester, at the same date and time that the exam is held for non-Erasmus students.

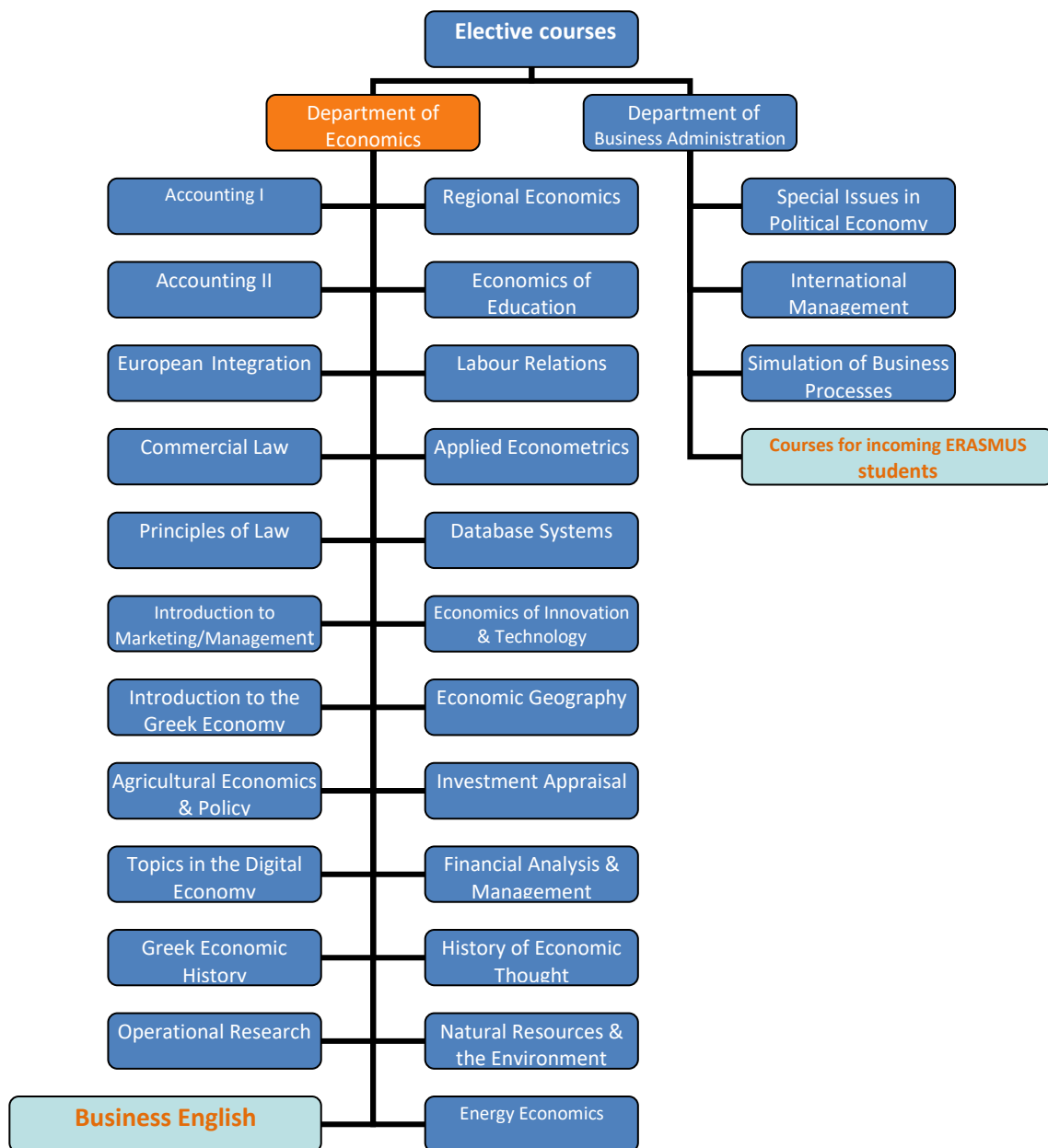
- ❑ can choose taught courses in English, administered together with the Department of Business Administration, from a shorter list of courses. These courses are assessed exclusively by written examinations in English at the end of the corresponding semester.

Staff members are also prepared to supervise incoming ERASMUS students' final-year projects or dissertations on topics related to their current research interests. Incoming ERASMUS students should have a good working grasp of the English language (i.e. level B2). All incoming students are under the close supervision and guidance of the ERASMUS Departmental Co-ordinator, Assoc.Professor Athina Zervoyianni.

LIST OF COURSES OFFERED

Listed below are the undergraduate courses offered by the Department of Economics. Each course has a three-digit ECTS code. The first digit indicates the *level* of the course. There are four levels, 1, 2, 3 and 4, indicating the year of study in which students can best take the course. Courses whose first digit is 1 should best be taken in the first or second year of study. Courses whose first digit is 3 or 4 should best be taken in the third or fourth year of study (almost all of them have as recommended prerequisites courses of levels 1 or 2). The other two digits stand for the numbering of the courses within the Department.





PROGRAMME PLAN FOR UNDERGRADUATE STUDIES



There are usually 3 lecture hours per week (h/w) for each course. For some courses, there are also seminars/tutorials and/or computer-lab sessions.

A course-summary table per-semester is provided below. The columns following the course title indicate weekly lecture hours (L), seminar-tutorial hours (S-T), laboratory hours (L/Y). The last column indicates ECTS credits.

FIRST YEAR, 1st Semester (Fall)

Code course	Course title	Hours/week			ECTS credits
		L	S-T	L/Y	
OIKON 101	Principles of Economics I	3	1		6
OIKON 111	Mathematics for Economist I	3	1		6
OIKON 121	Statistics I	3	1		6
OIKON 130	Economic History	3			6
OIKON 150	Introduction to Information Systems & Applications			3	6
1E01	Foreign language (English, German, Russian)	3			3
Total ECTS credits					33

FIRST YEAR, 2nd Semester (Spring)

Code course	Course title	Hours/week			ECTS credits
		L	S-T	L/Y	
OIKON 102	Principles of Economics II	3	1		6
OIKON 112	Mathematics for Economists II	3	1		6
OIKON 122	Statistics II	3	1		6
	and 2 elective courses:				
OIKON 210	Introduction to the Greek Economy	3			6
1E02	Business English	3			6
Total ECTS credits					30

SECOND YEAR, 3rd Semester (Fall)

Code course	Course title	Hours/week			ECTS credits
		L	S-T	L/Y	
OIKON 201	Microeconomics I	3	1		6
OIKON 203	Macroeconomics I	3	1		6
	and 3 elective courses:				
OIKON 131	Accounting I	3	1		6
OIKON 153	Principles of Law	3			6

OIKON 220	Introduction to Marketing/Management	3			6
Total ECTS credits					30

SECOND YEAR, 4th Semester (Spring)

Code course	Course title	Hours/week			ECTS credits
		L	S-T	L/Y	
OIKON 201	Microeconomics II	3	1		6
OIKON 203	Macroeconomics II	3	1		6
	<u>and</u> 3 elective courses chosen from:				
OIKON 132	Accounting II	3	1		6
OIKON 152	Commercial Law	3			6
OIKON 240	Economic Geography	3			6
OIKON 241	Topics in the Digital Economy			3	6
Total ECTS credits					30

THIRD YEAR, 5th Semester (Fall)

Code course	Course title	Hours/week			ECTS credits
		L	S-T	L/Y	
OIKON 320	Econometrics	3		1	6
OIKON 355	Economics of the Firm	3			6
	<u>and</u> 3 elective courses chosen from:				
OIKON 340	History of Economic Thought	3			6
OIKON 396	Economics of Education	3			6
OIKON 151	European Integration	3			6
OIKON 441	Economics of Innovation & Technology	3			6
OIKON 465	Agricultural Economics & Policy	3			6
OIKON 393	Energy Economics	3			6
OIKON 360	Economics of Natural Resources & the Environment	3			6
TΔE	Special Topics in Political Economy & Quantitative Analysis	3			6
TΔE	International Management	3			6
(outgoing ERASMUS students only)	Course ERASMUS 1(X)	3			6
(outgoing ERASMUS students only)	Course ERASMUS 2(X)	3			6
(outgoing ERASMUS students only)	Course ERASMUS 3(X)	3			6
Total ECTS credits					30

THIRD YEAR, 6th Semester (Spring)

Code course	Course title	Hours/week			ECTS credits
		L	S-T	L/Y	
OIKON 312	Public Economics	3			6
OIKON 350	Economic Policy	3			6
	<u>and</u> 3 elective courses chosen from:				
OIKON 332	Financial Analysis & Management	3			6
OIKON 361	Regional Economics	3			6

OIKON 230	Greek Economic History	3			6
OIKON 424	Database Systems	2		1	6
OIKON 330	Investment Appraisal	3			6
OIKON 352	Operational Research	3			6
OIKON 394	Labour Relations	3			6
OIKON 421	Applied Econometrics			3	6
TΔE	Simulation of Business Processes	3			6
(outgoing ERASMUS students only)	Course ERASMUS 1(X)	3			6
(outgoing ERASMUS students only)	Course ERASMUS 2(X)	3			6
(outgoing ERASMUS students only)	Course ERASMUS 3(X)	3			6
Total ECTS credits					30

FOURTH YEAR, 7th Semester (Fall)

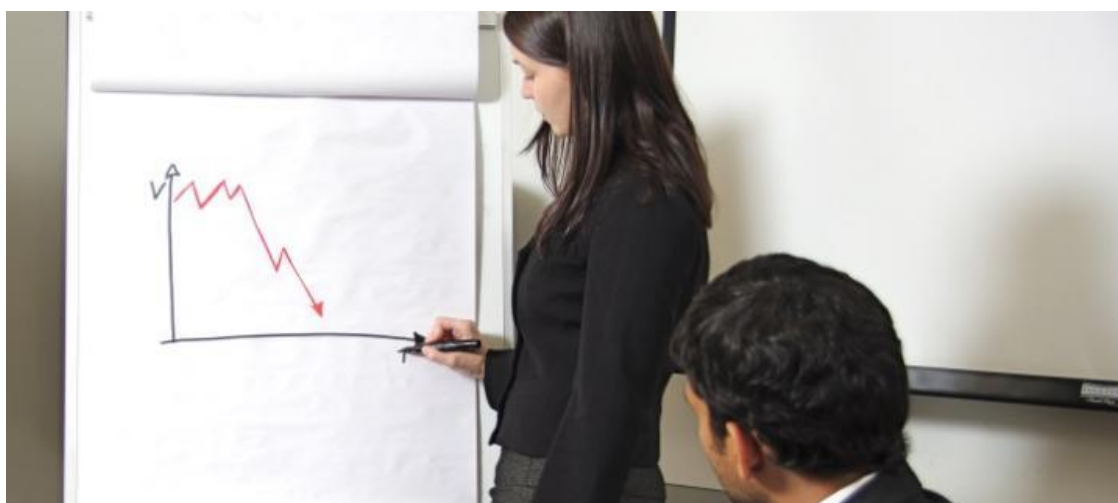
Code course	Course title	Hours/week			ECTS credits
		L	S-T	L/Y	
OIKON 430	International Trade Theory & Policy	3			6
OIKON 410	Development Economics	3			6
	<u>and</u> 3 elective courses chosen from:				
OIKON 340	History of Economic Thought	3			6
OIKON 396	Economics of Education	3			6
OIKON 151	European Integration	3			6
OIKON 441	Economics of Innovation & Technology	3			6
OIKON 465	Agricultural Economics & Policy	3			6
OIKON 393	Energy Economics	3			6
OIKON 360	Economics of Natural Resources & Environment	3			6
TΔE	Special Topics in political Economy & Quantitative Analysis	3			6
TΔE	International Management	3			6
(outgoing ERASMUS students only)	Course ERASMUS 1(X)	3			6
(outgoing ERASMUS students only)	Course ERASMUS 2(X)	3			6
(outgoing ERASMUS students only)	Course ERASMUS 3(X)	3			6
Total ECTS credits					30

FOURTH YEAR, 8th Semester (Spring)

Code course	Course title	Hours/week			ECTS credits
		L	S-T	L/Y	
OIKON 401	Economics of Industrial Organization	3			6
OIKON 420	Labour Economics	3			6
	<u>and</u> 3 elective courses chosen from:				
OIKON 332	Financial Analysis & Management	3			6
OIKON 361	Regional Economics	3			6
OIKON 230	Greek Economic History	3			6
OIKON 424	Database Systems	2		1	6
OIKON 330	Investment Appraisal	3			6
OIKON 352	Operational Research	3			6
OIKON 394	Labour Relations	3			6

OIKON 421	Applied Econometrics			3	6
TΔΕ	Simulation of Business Processes	3			6
(outgoing ERASMUS students)	Course ERASMUS 1(X)	3			6
(outgoing ERASMUS students)	Course ERASMUS 2(X)	3			6
(outgoing ERASMUS students)	Course ERASMUS 3(X)	3			6
Total ECTS credits					30

COURSE CONTENT



Core courses offered by the Department of Economics (available to ERASMUS students as reading courses in English)

OIKON 101	PRINCIPLES OF ECONOMICS I
Instructor	Daouli Ioanna, Professor Giannakopoulos Nicolaos, Assistant Professor
ECTS credits	6
Prerequisites	None
Semester	Fall.
Content	» Basic principles. Product markets: demand and supply, elasticity. Cost and production theory. Behaviour of the firm. Market structure and price determination: perfect competition, monopoly, oligopoly, monopolistic competition. Input markets and income distribution. Role of government in the economy. «

OIKON 102	PRINCIPLES OF ECONOMICS II
Instructor	Giannakopoulos Nicolaos, Assistant Professor
ECTS credits	6
Prerequisites	Principles of Economics I
Semester	Spring
Content	» National accounts, definitions. Consumption, savings and investment. The multiplier. The public sector, government spending and revenues. Fiscal policy. Money & inflation. Unemployment. Economic growth. The open economy. «

OIKON 111	MATHEMATICS FOR ECONOMISTS I
Instructor	Venetis Ioannis, Associate Professor Kounetas Konstantinos, Assistant Professor
ECTS credits	6
Prerequisites	None
Semester	Fall
Content	» Functions of one variable. Limits & continuity of functions. Derivatives, differentials. Taylor and Mac-Laurin expansions. Integration theory. Sequences and series of numbers and functions. Economic applications. «

OIKON 112	MATHEMATICS FOR ECONOMISTS II
Instructor	Venetis Ioannis, Associate Professor Kounetas Konstantinos, Assistant Professor
ECTS credits	6
Prerequisites	Mathematics for Economists I
Semester	Spring
Content	» Functions of several variables: limits, continuity, partial derivatives, differentiation, maxima & minima, Lagrange multipliers. Differential equations, including: linear first order, second order with constant coefficients. Introduction to linear algebra (matrix properties, matrix inversion) & linear systems. Elasticity, partial elasticities, economic applications. «

OIKON 121	STATISTICS I
Instructor	Polymenis Athanasse, Assistant Professor
ECTS credits	6
Prerequisites	None
Semester	Fall
Content	» Population, sample, sampling methods, variables. Statistical data, tables, figures. Frequencies. Measures of central tendency. Measures of dispersion. Moments, measures of asymmetry and kurtosis. Introduction to probability theory. Density and distribution functions. Distributions for discrete random variables (Binomial, Hyper geometric, Poisson, Geometric). Distributions for continuous random variables. Normal distribution. Parameters of bivariate distributions. Covariance, correlation coefficient. «

OIKON 121	STATISTICS II
Instructor	Polymenis Athanasse, Assistant Professor
ECTS credits	6
Prerequisites	Statistics I
Semester	Spring
Content	» Large sample statistical inference. Sampling distributions. Means, difference between two means, proportions, difference between two proportions. Confidence intervals. Statistical testing. Small sample statistical inference. Student's t probability distribution. Means, difference between two means, paired difference test, proportions, difference between two proportions. Inferences about a population variance. The χ^2 probability distribution. Comparing two population variances. The F probability distribution. Introduction to simple and multiple regressions. The method of least-squares. Testing the utility of a model. Model building. Elements of time-series analysis. «

OIKON 130	ECONOMIC HISTORY
Instructor	Patronis Vasilios, Associate Professor
ECTS credits	6
Prerequisites	None
Semester	Fall
Content	» Introduction: Basic concepts, the content of Economic History. The middle ages. The transition from the middle ages to the commercial expansion of the 16 th & 17 th centuries. The discovery of the new lands & routes and their consequences. The rise of the capitalist system. The economic conditions during the 18 th century. Technological progress & the industrial revolution. The revolution in transportation. Developments in the agricultural sector. Industrial production & the 2 nd industrial revolution. Wars & economic crises. Post-war economic developments. The modern capitalism. Major economic crises. Europe's integration process. Problems & prospects.«

OIKON 150	INTRODUCTION TO INFORMATION SYSTEMS & APPLICATIONS
Instructor	Tzarakakis Emmanuel, Assistant Professor Daskalou Victoria, Special Teaching/Technical Staff
ECTS credits	6
Prerequisites	None
Semester	Fall/Spring
Content	» The evolution of computers, structure and functions of a computer, micro-computers, regional devices, operating systems, programming languages. Microsoft Windows. Word-processing. Data management: spreadsheets (format, mathematical and logical functions, macro commands, and communication). Databases, computer uses in statistical data analysis. Presentations. Graphics.«

OIKON 201	MICROECONOMICS I
Instructor	Daouli Ioanna, Professor Demoussis Michael, Professor
ECTS credits	6
Prerequisites	Principles of Economics I
Semester	Fall
Content	» The nature of microeconomics. Demand and supply. Theory of consumer preferences and utility. Consumer behaviour and individual demand curves. Market demand, price and income elasticities. The Slutsky equation. Revealed preferences and price indices. Time allocation and labour supply. The problem of inter-temporal allocation: present and future consumption, borrowing and lending, interest rates, present value. Production theory: technology and the factors of production, total, average and marginal product, iso-quants, elasticity of substitution, the short-and the long run, returns to scale. Theory of cost: optimal input combinations, total, average and marginal costs, short-run and long-run cost functions. Consumer and producer surplus. Competitive structures in the short & long run. Government intervention: taxes, subsidies, production restrictions, tariffs, import quotas.«

OIKON 202	MICROECONOMICS II
Instructor	Daouli Ioanna, Professor Demoussis Michael, Professor
ECTS credits	6
Prerequisites	Microeconomics I
Semester	Spring

Content	<p>»Pure monopoly theory: short-run and long-run equilibrium, comparison with perfect competition, price differentiation. The theory of monopolistic competition: product differentiation, short-run and long-run equilibrium, advertising. Oligopoly theory: background, the Cournot and Bertrand models, model of dominant firm, the Sweezy model, cartels. Game theory. Price and employment of inputs under perfect competition. Price and employment of inputs under imperfect competition. General equilibrium and resource allocation. Edgeworth box, exchange and production. The product transformation curve, the marginal rate of transformation. Welfare economics and political economy. Marginal conditions for optimal resource allocation, the production possibility curve and the social welfare function, perfect competition and economic efficiency. Public goods, externalities. The optimal quantity of a public good, the provision of a public good, the case of environmental pollution, property rights and the Coase theorem, state intervention. «</p>
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OIKON 203	MACROECONOMICS I
Instructor	Zervoyianni Athina, Associate Professor
ECTS credits	6
Prerequisites	Principles of Economics II
Semester	Fall
Content	<p>»The nature of macroeconomics. Methodology in macroeconomics. Macroeconomic goals. Macroeconomic models. Aggregate demand: analysis of goods and money markets, multipliers, determination of money supply, the IS-LM model, instruments & effectiveness of fiscal and monetary policy, aggregate demand function, elasticity. Aggregate supply: the labour market, nominal & real rigidities, elasticity of the aggregate supply function, expectations. Equilibrium: determination of real output, employment, unemployment, the price level and nominal & real wages. The Neo-classical model as a special case, analysis of situations of disequilibrium under perfect competition. Monetary policy and central bank independence. Fiscal policy and the income constraint of the government, dynamics of public debt, public-debt sustainability. «</p>

OIKON 204	MACROECONOMICS II
Instructor	Zervoyianni Athina, Associate Professor
ECTS credits	6
Prerequisites	Macroeconomics I
Semester	Spring
Content	<p>»Economic growth: savings, population, human capital, productivity and technology, poverty traps, absolute & relative convergence, golden rule of capital accumulation, endogenous growth, growth & unemployment. The open economy: national intertemporal constraint, the balance of payments, the trade-balance & the capital account, real and nominal exchange rates, the Marshall-Lerner condition & the J-curve, interest rates and covered/uncovered interest parity, effects of economic policy and exogenous events, costs & benefits of alternative exchange-rate systems. Consumption theory: wealth & intertemporal income, intertemporal choices & the Fisher model, effects of interest-rate changes, the permanent-income model, the life-cycle model, short & long-run average propensity to consume. Investment theory: models of investment demand, aggregate investment & uncertainty, accelerator model, the neoclassical model, Tobin's-Q. Unresolved issues in macroeconomics. «</p>

OIKON 320	ECONOMETRICS
Instructor	Venetis Ioannis, Associate Professor
ECTS credits	6
Prerequisites	Statistics I & II
Semester	Fall
Content	»The basic linear model: specification, estimation and statistical inference. Extensions of the linear model: non-linear models, dummy variables. Relaxing the assumptions of the classical model: multicollinearity, specification error, heteroscedasticity, autocorrelation, and errors of measurement. Autoregressive and distributed lag models. Expectations models. Simultaneous equation models: description, identification and estimation. Stationary and non-stationary processes, co-integration.«

OIKON 355	ECONOMICS OF THE FIRM
Instructor	Tzelepis Dimitrios, Assistant Professor
ECTS credits	6
Prerequisites	Microeconomics I & II
Semester	Fall
Content	» The course consists of two parts. The first part concerns the theory of the firm. In this part, the alternative theorizations of the nature of the firm are presented that have practical consequences for the organizational form, the efficiency and growth of the firm. The second part of the course concerns the relationship between the firm and the market and their interaction. <i>Part A:</i> Theory of the firm: the production function theorization of the firm and the assumption of profit maximization, managerial and behavioral theorizations of the firm, sales maximization, discretionary expenses, growth maximization. Firm and transaction costs: the problem of vertical integration, specialization and co-specialization of production inputs and the hold- up problem. Moral hazard and incentives. Principal agent problems. Efficiency wages and internal labor markets. <i>Part B:</i> Firm and market: estimation of demand functions, economic forecasting, gathering information about and approximating production functions and costs, pricing techniques and optimal advertising selection models.«

OIKON 312	PUBLIC ECONOMICS
Instructor	Demoussis Michael, Professor
ECTS credits	6
Prerequisites	Microeconomics I, Macroeconomics I
Semester	Spring
Content	»Introduction. Political economy. Redistribution of income: conceptual issues. Taxation and income distribution. Effective taxation, equally-distributed tax burdens. Income taxes and optimizing behaviour. Consumption taxes, wealth taxes. Deficit financing. Public goods. Externalities. Social security. «

OIKON 350	ECONOMIC POLICY
Instructor	Skuras Dimitrios, Professor Zervoyianni Athina, Associate Professor Giannakopoulos Nicolaos, Assistant Professor, Kounetas Konstantinos, Assistant Professor Venetis Ioannis, Associate Professor
ECTS credits	6
Prerequisites	Microeconomics II, Macroeconomics II
Semester	Spring
Content	» Introduction: the state and the economy. Theory of public choice, the rationale for economic policy, models of fixed and moving targets

of economic policy, the relationship between different targets of economic policy. The main objectives of economic policy: economic growth, price stability; full employment; fair distribution of income; improvement of the current account of the balance of payments; sustainable public deficits & debt. Economic Policy in the EU. Economic policy for the climatic change. Energy policy. Economic-policy uncertainty & the real economy. ❧❧

OIKON 430 INTERNATIONAL TRADE THEORY & POLICY

Instructor Skuras Dimitrios, Professor

ECTS credits 6

Prerequisites Microeconomics I & II

Semester Fall

Content ►► International trade and international economics, international-trade flows in the EU and in Greece. Theory of international trade. The Ricardian model: labour productivity and comparative advantage. The Heckscher-Ohlin model: factor endowment & international trade. International trade and welfare: terms of trade – export-led growth – import-led growth – international income transfers. Effects on the terms-of-trade of tariffs and quantitative restrictions. The Stolper-Samuelson theorem – the Rybczynski theorem – offer curves. Intra-industry trade: economies of scale – imperfect competition – product differentiation and international trade. International factor movements. International-trade policy: partial & general equilibrium analysis – big and small countries – costs & benefits of international-trade policy. Implementation of trade policy, costs & benefits of the main instruments of trade policy: export subsidies– quantitative restrictions – voluntary export restrictions – other policy measures. The political economy of trade policy: arguments for and against free trade – international negotiations – preferential trade agreements – free trade zones. ❧❧

OIKON 410 DEVELOPMENT ECONOMICS

Instructor Skuras Dimitrios, Professor

ECTS credits 6

Prerequisites Microeconomics II & Macroeconomics II

Semester Fall

Content ►► Introduction. Measurement of development. Development & welfare. Theories of development. Sustainable development. Population. Education & Health. Capital & savings. Foreign investment. International trade. The role of the state in the process of development. ❧❧

OIKON 401 ECONOMICS OF INDUSTRIAL ORGANIZATION

Instructor Kounetas Konstantinos, Assistant Professor

ECTS credits 6

Prerequisites Microeconomics I & II

Semester Spring

Content ►► Introduction: basic concepts and issues. Theoretical approaches to the economics of the firm. Games & strategies. Monopoly and regulation. Perfect competition and competition in oligopoly. Oligopolistic behaviour & game theory, oligopoly models, Cournot v. Bertrand. Comparative static analysis. Barriers to entry: sources, returns to scale, excess production capacity. Concentration: market concentration, concentration indices, determinants of concentration, price policy. The structure-conduct-performance model. Technological change, productivity and market structure. ❧❧

OIKON 420	LABOUR ECONOMICS
Instructor	Daouli Ioanna, Professor
ECTS credits	6
Prerequisites	Microeconomics II, Macroeconomics II
Semester	Spring
Content	» Introduction. Labour supply. Choice between work and leisure. Individual & total labour supply. Institutional framework, economic policy and labour supply. Demand for labour, short- and long-term analysis in different market structures. Determination of wages and employment under perfect and imperfect competition. Migration and occupational mobility of labour. Investment in human capital. Education, training and on the job training. Labour unions, collective bargaining and wages. Discrimination in the labour market. Wage differentials. Unemployment: analysis and policy. Income distribution. Determinants of income inequalities. «

**Elective courses offered by the Department of Economics
(available as reading courses in English to ERASMUS students)**

OIKON 210	INTRODUCTION TO THE GREEK ECONOMY
Instructor	Patronis Vasilios, Associate Professor
ECTS credits	6
Prerequisites	Principles of Economics I
Semester	Spring
Content	» The characteristics of the Greek economy. The evolution of the key economic variables. Policy. Performance.«

1E02	BUSINESS ENGLISH
Instructor	Groumpou Alexandra, Special Teaching/Technical Staff
ECTS credits	6
Prerequisites	Basic English
Semester	Spring
Content	» Business/economics terminology. Economic writing. Economics presentations. «

OIKON 131	ACCOUNTING I
Instructor	Tzelepis Dimitrios, Assistant Professor
ECTS credits	6
Prerequisites	None
Semester	Fall
Content	» Introduction to financial accounting. The balance sheet of the firm. The profit and loss account, measuring the value of the firm at cost price. Introduction to Greek accounting standards, the double-entry accounting method, entering accounting data to accounting books. The depreciation of assets and alternative calculation methods. Generally accepted accounting principles, different accounting systems, correction of accounting errors. «

OIKON 132	ACCOUNTING II
Instructor	Tzelepis Dimitrios, Assistant Professor
ECTS credits	6
Prerequisites	Accounting I
Semester	Spring
Content	» Measuring and reporting assets & current liabilities (accounting for stocks, securities, trade acceptances and notes, long-term assets,

current liabilities). Financial statement closure (adjustment entries, income measurement entries, financial statement publication). Financial statement analysis for decision making (common-size statements, trend statements, financial ratio analysis, variability measures). Company analysis project. ◀◀

OIKON 153

PRINCIPLES OF LAW

Instructor Argyros George, Associate Professor

ECTS credits 6

Prerequisites None

Semester Fall

Content ▶▶ Introduction to civil law. National & Legal Persons. The Right. Juridical Acts. Concept and Types of Obligations. Civil Liability. Contractual and Extra-Contractual Obligations. Normal and Anomalous Development of the Obligation. Transfer and Extinction of Obligation. Sale. Property Rights. ◀◀

OIKON 152

COMMERCIAL LAW

Instructor Argyros George, Associate Professor

ECTS credits 6

Prerequisites Principles of Law

Semester Spring

Content ▶▶ Introduction to Commercial Law. Special Commercial Contracts, Leasing, Factoring, Forfeiting, Franchising. Competition, Unfair Trading, Consumer Protection. Companies. Bill of Exchange and Cheque. Banking Contracts. ◀◀

OIKON 220

INTRODUCTION TO MARKETING-MANAGEMENT

Instructor To be announced

ECTS credits 6

Prerequisites Principles of Economics I

Semester Fall

Content ▶▶ Introduction to the concepts of management and business strategy. The role of marketing management in the performance of businesses and organizations. Satisfying the customer. Winning markets through market-oriented strategic planning. The management of marketing information and the measurement of market demand. Analyzing the marketing environment. Analyzing consumer and industrial buying behaviour. Analyzing sectors and competitors. Market segmentation and targeting markets. Product/offer differentiation. Product/offer positioning. New product/offer development. Global marketing strategies. Planning, implementation, evaluation, and control of the marketing effort.◀◀

OIKON 240

ECONOMIC GEORGRAPHY

Instructor Skuras Dimitrios, Professor

ECTS credits 6

Prerequisites Principles of Economics I & II

Semester Spring

Content ▶▶To be provided by the instructor.◀◀

OIKON 241

TOPICS IN THE DIGITAL ECONOMY

Instructor Tzagarakis Emmanuel, Assistant Professor

Daskalou Victoria, Special Teaching/Technical Staff

ECTS credits 6

Prerequisites Introduction to Information Systems & Applications

Semester	Spring
Content	» The concept of “New Economy”, Tools and techniques in the information economy, Electronic Commerce, On line market places, Virtual economies, The economics of information goods, Internet technologies, User generated content (UGC) and their impact on supply and demand, Social Networks, Digital currencies, Online payment systems.◀◀

OIKON 340	HISTORY OF ECONOMIC THOUGHT
Instructor	Patronis Vasilios, Associate Professor
ECTS credits	6
Prerequisites	Principles of Economics I & II
Semester	Fall
Content	» The ancient authors. Medieval economic thought. The mercantilists. The Physiocrats. The transition period. The Classics. Adam Smith, Malthus, Ricardo, Marx. The beginnings of mathematical economics. The socialists. Marginalism & the neo-classical approach. The contribution of Keynes. Schumpeter & the theory of economic development. Monetarism. Galbraith and "the new industrial state". The New-Classical School. The New-Keynesian School. New-Marxists & radical economists. Recent developments in economic theory.◀◀

OIKON 396	ECONOMICS OF EDUCATION
Instructor	Giannakopoulos Nicolaos, Assistant Professor
ECTS credits	6
Prerequisites	Principles of Economics I & II
Semester	Fall
Content	» Introduction. Theory of human capital. Measuring the return to investment in human capital, empirical methodology. The choice of education level. Investment after school. On the job training. Professional training. Theories of discrimination. Wage differentials. Qualifications of migrants. Issues related to income inequality. International comparisons. The role of the state.◀◀

OIKON 151	EUROPEAN INTEGRATION
Instructor	Argyros George, Associate Professor
ECTS credits	6
Prerequisites	Principles of Economics II, Principles of Law
Semester	Fall
Content	» Historical context of European Integration. Institutional Structure. Legislative Procedures. Community Legal Order, Rule of Law. The Community Budget. Internal market. Competition. Employment. Economic & Monetary Union.◀◀

OIKON 441	ECONOMICS OF INNOVATION & TECHNOLOGY
Instructor	Tsekouras Konstantinos, Assistant Professor
ECTS credits	6
Prerequisites	Microeconomics I & II
Semester	Fall
Content	» Technology and technical change. Private sector technology, investment decisions. Uncertainty and the process of technical change. Government policy and private investment in technical change. The gains from technical change. Government R&D expenditure and the process of technical change. Technical change, productivity and economic policy. Financing of technological change. Technological change and employment. ◀◀

OIKON 465	AGRICULTURAL ECONOMICS & POLICY
Instructor	Demoussis Michael, Professor
ECTS credits	6
Prerequisites	Microeconomics I & II
Semester	Fall
Content	»The main characteristics of the agricultural sector. Demand for agricultural products. Production and cost theory in the agricultural sector. Theoretical models for the determination of price and production equilibria in agriculture. The reasons for agricultural support policy. The Common Agricultural Policy of the EU. Agricultural policy and international trade. Less-favoured areas and rural crisis; The content of rural development; The definitions of “rural”. Justification of development interventions in rural areas – the “integrated” approach. Structural characteristics of the rural economy. The role of the state in rural development. Environment and rural development. Rural development policy in the EU and Greece. Perspectives and future trends of rural development policy.«

OIKON 393	ENERGY ECONOMICS
Instructor	Kounetas Konstantinos, Assistant Professor
ECTS credits	6
Prerequisites	Microeconomics I & II
Semester	Fall
Content	» Energy and the different sources are a critical factor for economic growth. The Energy Economics course is tailored for the student desiring an understanding of the relationship between the energy and its main sources and the wider economy. Topics to be covered include energy production and demand, energy markets structure, taxation and pricing, oil price shocks and the global economy, the problems associated with managing energy sources, transparency, depletion policy and environmental issues. Finally, it examines additional topics related with energy efficiency and security, with emphasis on tracing the policies developed and implemented while tries to have a first review on climate change economics.«

OIKON 360	ECONOMICS OF NATURAL RESOURCES & THE ENVIRONMENT
Instructor	Skuras Dimitrios, Professor
ECTS credits	6
Prerequisites	Principles of Economics I & II, Microeconomics I & II
Semester	Fall
Content	» Introduction: the economic meaning of natural resources. Static and dynamic economic efficiency. Property rights and external economies. Market structures. Information and uncertainty. Cost-benefit analysis. Contingent valuation and travel cost methods. Exhaustible (non-renewable) stock resources without recyclable services. Recyclable natural resources. Renewable stock resources: forests, fisheries and other renewable resources. Pollution and contamination. Taxes and subsidies and the adoption of anti-pollution measures. Marketable pollution permits. Environmental policy in Greece.«

OIKON 332	FINANCIAL ANALYSIS & MANAGEMENT
Instructor	Tzelepis Dimitrios, Assistant Professor
ECTS credits	6
Prerequisites	Microeconomics I, Macroeconomics I, Statistics I & II
Semester	Spring
Content	» This course provides an extensive introduction to the

fundamental concepts of modern financial economics. In particular, the course deals with issues such as the role and functioning of financial markets, asset pricing, analysis & measurement of financial risk and modern portfolio theory.◀◀

OIKON 361 REGIONAL ECONOMICS
 Instructor Skuras Dimitrios, Professor
 ECTS credits 6
 Prerequisites Principles of Economics I & II
 Semester Spring
 Content ▶▶ To be provided by the instructor.◀◀

OIKON 230 GREEK ECONOMIC HISTORY
 Instructor Patronis Vasilios, Associate Professor
 ECTS credits 6
 Prerequisites None
 Semester Spring
 Content ▶▶ Introduction. Agricultural production during the Ottoman occupation. The development of trade, transportation & merchant marine in the Aegean Sea in the last period of the pre-Revolutionary Greece. The economic problems of the New Greek State: the issue of land ownership, the distribution of land, the development of commerce & the first attempts towards industrialisation. State & economic policy in the 19th century. The inter-war period. Agricultural revolution & agricultural development. Industrial development during the inter-war period. Post-war economic developments in Greece.◀◀

OIKON 424 DATABASE SYSTEMS
 Instructor Tzagarakis Emmanuel, Assistant Professor
 Daskalou Victoria, Special Teaching/Technical Staff
 ECTS credits 6
 Prerequisites Introduction to Information Systems & Application
 Semester Spring
 Content ▶▶Aims of a Database System, architecture of Database Systems, data models, queries and transactions, users of Database Systems. Entity-Relationship Model: basic concepts, entities, relationships, characteristics, keys, mappings, diagrams, “weak” entities, extensions of the ER model, transformation to tables, examples. The SQL language: main principles, basic form, joins, nested queries, functions, database updates, references, keys, triggers, cursors, transactions in SQL. Relational Model: relationships, tables, characteristics, diagrams, relational algebra (operators), relational calculus (logic). Relational Design: integrity constraints, decomposition, normalisation and normal forms. ◀◀

OIKON 330 INVESTMENT APPRAISAL
 Instructor To be announced
 ECTS credits 6
 Prerequisites Microeconomics I & II
 Semester Spring
 Content ▶▶ Time value of money. The Fisherian investment – consumption model and investment appraisal methods. Discounted cash flows, net present value, internal rate of return, mutually exclusive investment projects, interdependent investment projects, replacement cycle problems. Modified internal rate of return. Break even and sensitivity analyses. Capital market imperfections. Capital

rationing and the benefits costs ratio. Risk in investment appraisal. Socio-economic investment appraisal methods.◀◀

OIKON 352	OPERATIONAL RESEARCH
Instructor	Kounetas Konstantinos, Assistant Professor
ECTS credits	6
Prerequisites	Mathematics for Economists I & II
Semester	Spring
Content	▶▶ Introduction to operational research. Deterministic & stochastic methods in operational research. The basics of linear programming (LP). Graphical solutions of LP problems. The general LP problem. Interpretation & mathematical formulation. Applications of LP to well known operational research problems. The Simplex Method, typical form, algorithm. Problem solving using the Simplex Method. The M-method and the TWO-PHASE method. Duality, properties of dual problems and the Dual Simplex. Sensitivity analysis. Special cases of LP problems. The transportation problem.◀◀

OIKON 394	LABOUR RELATIONS
Instructor	Argyros George, Associate Professor
ECTS credits	6
Prerequisites	Principles of Economics II, Principles of Law
Semester	Spring
Content	▶▶ Introduction. Employment Contract. The Obligation of the Employer-Employee. Trade Unions. Collective Labour Agreements. Restructuring of Companies and Employment Rights. Workers' participation in Corporate Governance. Labour Mobility in the European Market.◀◀

OIKON 421	APPLIED ECONOMETRICS
Instructor	Venetis Ioannis, Associate Professor
ECTS credits	6
Prerequisites	Econometrics
Semester	Spring
Content	▶▶ Introduction. Software packages for econometric analysis. Types of models and data. Econometric modelling. Economic forecasts. Binary variables. Heteroskedasticity. Data problems & model specification. Time-series models. Panel models. Limited dependent variables models. Results presentation. Applications.◀◀

Elective courses offered by the Department of Business Administration

Department of Business Administration	SPECIAL TOPICS IN POLITICAL ECONOMY & QUANTITATIVE ANALYSIS
Instructor	Oikonomakis George, Assistant Professor Androulakis George, Assistant Professor
ECTS credits	6
Prerequisites	
Semester	Fall
Content	▶▶ http://www.bma.upatras.gr/index.php/el/2014-10-03-07-47-55/selides-mathimaton/mathimata-d-etous/27-2009-03-06-12-18-09 .◀◀

Department of Business Administration	INTERNATIONAL MANAGEMENT
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Instructor	Maroudas Leonidas, Professor
ECTS credits	6
Prerequisites	
Semester	Fall
Content	» http://www.bma.upatras.gr/index.php/el/2014-10-03-07-47-55/selides-mathimaton/mathimata-d-etous/27-2009-03-06-12-18-09 .«

Department of Business Administration	SIMULATION OF BUSINESS PROCESSES
Instructor	Giannikos Ioannis, Associate Professor
ECTS credits	6
Prerequisites	
Semester	Fall
Content	» http://www.bma.upatras.gr/index.php/el/2014-10-03-07-47-55/selides-mathimaton/mathimata-d-etous/27-2009-03-06-12-18-09 «



**TAUGHT COURSES IN ENGLISH OFFERED TO ERASMUS STUDENTS BY
THE SCHOOL OF ECONOMICS & BUSINESS ADMINISTRATION,
2015-2016**

Fall Semester

Instructor	Course title	ECTS credits
Giannikos I., <i>Department of Business Administration</i>	Further Operational Research Techniques in Decision Making	5
Papadimitriou D., <i>Department of Business Administration</i>	Event Management	5
Polyxroniou P., <i>Department of Business Administration</i>	Conflict Management	5
Tsaganos A., <i>Department of Business Administration</i>	Financial Econometrics	5
Polymenis A., <i>Department of Economics</i>	Inferential Statistics & Introduction to Regression Analysis	6
Tzagarakis E., and Daskalou V., <i>Department of Economics</i>	Topics in the Digital Economy	6
Zervoyianni A., <i>Department of Economics</i>	Economic Policy	6
Delli B., <i>Department of Business Administration</i>	Language Awareness and Introduction to Business English	5
Delli B., <i>Department of Business Administration</i>	Intercultural Business Communication & Cultural Awareness	5
Rizomilioti K., <i>Department of Business Administration</i>	Advances in Academic Business English	5

Spring Semester

Instructor	Course title	ECTS credits
Giannikos I., <i>Department of Business Administration</i>	Further Operational Research Techniques in Decision Making	5
Stamatiou I., <i>Department of Business Administration</i>	e--Governance	5
Myloni B., <i>Department of Business Administration</i>	International Management	5
Nearxou A.,	Operations Management	5
Zervoyianni A., <i>Department of Economics</i>	International Macroeconomics & Finance	6
Giannakopoulos N., <i>Department of Economics</i>	Labour Economics	6
Kounetas K., <i>Department of Economics</i>	Mathematical Economics	6
Delli B., <i>Department of Business Administration</i>	Language Awareness and Introduction to Business English	6
Delli B., <i>Department of Business Administration</i>	Intercultural Business Communication & Cultural Awareness	5
Delli B., <i>Department of Business Administration</i>	Intercultural Business Communication & Cultural Awareness	5

COURSE CONTENT, Department of Economics

Department of Economics	INFERENCEAL STATISTICS & INTRODUCTION TO REGRESSION ANALYSIS
Instructor	Polymenis Athanasse, Assistant Professor
ECTS credits	6
Prerequisites	
Semester	Fall
Content	► Estimation methods like the methods of moments, least squares, and maximum likelihood which are among the most popular tools for estimating

population parameters will be presented. Different properties of estimators such as unbiasedness, efficiency and consistency will be discussed. There will also be quick presentations of the normal distribution as well as the chi-square, Student's t, and Fisher's F statistics. Sampling with small as well as large samples will be extensively studied by means of confidence intervals and hypothesis testing. Simple linear regression will then be introduced. The least squares method will be analytically studied. Parameters of the linear model will be estimated and confidence intervals as well as hypothesis testing techniques will be presented. The coefficients of determination and correlation will be introduced and goodness-of-fit issues will be discussed. A quick generalization of the results to multivariate regression will also be given.◀◀

**Department
of Economics**

TOPICS IN THE DIGITAL ECONOMY

Instructor: Tzagarakis Emmanuel, Assistant Professor
Daskalou Victoria, Special Teaching/technical Staff
ECTS credits: 6
Prerequisites:
Semester: Spring
Content: ►► The concept of “New Economy”, Tools and techniques in the information economy, Electronic Commerce, On line market places, Virtual economies, The economics of information goods, Internet technologies, User generated content (UGC) and their impact on supply and demand, Social Networks, Digital currencies, Online payment systems. ◀◀

**Department
of Economics**

ECONOMIC POLICY

Instructor: Zervoyianni Athina, Associate Professor
ECTS credits: 6
Prerequisites: Macroeconomics I & II
Semester: Fall
Content: ►► The course covers major areas of domestic and international policymaking: fiscal policy, monetary policy, international finance and exchange-rate policy, tax policy & income-distribution policy, long-term growth policies.◀◀

**Department
of Economics**

LABOUR ECONOMICS

Instructor: Giannakopoulos Nicolaos, Assistant Professor
ECTS credits: 6
Prerequisites: Microeconomics I & II
Semester: Spring
Content: ►► Labour supply. Choice between work and leisure. Individual & total labour supply. Institutional framework & labour supply. Demand for labour under different market structures. Migration and occupational mobility of labour. Investment in human capital. Education, training and on the job training. Discrimination in the labour market. Wage differentials. Unemployment. Determinants of income inequalities.◀◀

**Department
of Economics**

MATHEMATICAL ECONOMICS

Instructor: Kounetas Konstantinos, Assistant Professor
ECTS credits: 6
Prerequisites: Mathematics for Economists I & II
Semester: Spring
Content: ►► (A) *Introduction*. Minima and maxima of multi-variable functions, total differential and second order differential, quadratic forms, the Hessian matrix, convexity (concavity) and quasi-convexity (concavity) of multi-variable functions, the envelope theorem, comparative static analysis. Advanced topics in Linear algebra and vectors (B) *Static optimization*. (B1) Classical programming: the optimization of an objective function subject to equality constraints. The Lagrange method, first and second order conditions, the economic interpretation of Lagrange multipliers, comparative static analysis in classical programming. Applications in economics: utility maximization and ordinary demand functions, expenditure minimization

and compensated demand functions, cost minimization and input demand functions. (B2) Nonlinear programming: the optimization of an objective function subject to inequality constraints. Kuhn-Tucker (K-T) conditions. The K-T conditions as necessary and sufficient conditions: the Arrow-Hurwicz-Uzawa (A-H-U) conditions and the sufficient K-T conditions. Quasi concave nonlinear programming: the Arrow-Enthoven conditions. Applications in Economics: “corner” solutions in the utility maximization problem, generalized conditions for cost minimization and profit maximization. (B3) Linear programming (LP): optimization of linear objective functions subject to linear constraints. Duality in linear programming: the primal and the dual LP problem, sensitivity analysis. Methods of solution: the graphical method, the Simplex method. Applications in economics. (C) *Dynamic Programming*. Introduction to differential equations, differential equations with constant and variable coefficients, qualitative analysis of differential equations (the Phase-Diagram technique). Basic concepts and terminology of the Optimal Control problem. The Maximum Principle (MP) technique: the Lagrange approach and the Hamiltonian function, optimizing conditions in MP problems, the economic interpretation of the co-state (or adjoint) variables, the transversality condition. Optimal control problems of fixed, variable and infinite terminal time. Examples and applications in economics.◀◀

**Department
Of Economics**

INTERNATIONAL MACROECONOMICS & FINANCE

Instructor Zervoyianni Athina, Associate Professor

ECTS credits 6

Prerequisites Macroeconomics I & II

Semester Spring

Content ►► The external sector of national economies. The international economy. International macroeconomic coordination. Policy games. Globalization. Capital movements. Financial crises. The EMU & the euro. ◀◀



List of useful addresses

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Student accommodation & cultural events, Tel. +30-2610-997968
Health services (student support), Tel. +30-2610-996151

UNIVERSITY LIBRARY & INFORMATION

Management and secretariat, Tel. +30-2610-969613-15
Item acquisitions & bibliographical information, Tel. +30-2610-969616
IT Services, Tel. +30-2610-969631/32

FOREIGN-LANGUAGES CENTRE

Secretary, Tel. +30-2610-997370

STUDENT ACCOMMODATION (NATIONAL INSTITUTE OF YOUTH – IN CAMPUS)

Manager, Tel. +30-2610-992362
Call center, Tel. +30-2610- 992359/2360
Management, Tel. +30-2610- 992360 (int. 207-208)

STUDENT ACCOMMODATION (IN PROASTIO – NEAR CAMPUS)

Office, Tel. +30-2610-434820
Ground floor, Tel. +30-2610-453203

OTHER SERVICES IN CAMPUS

General Regional University Hospital of Patras, Tel. +30-2610-999111
University Sports Complex, Tel. +30-2610-997593
Post Office, Tel. +30-2610-997593
Bank (branch of Piraeus Bank), Tel. +30-2610-997844
Bookstore «Papasotiriou», Tel. +30-2610-995455
Cafeteria-Restaurant «Parko Irinis», Tel. +30-2610-997839

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