

**UNIVERSITY OF PELOPONNESE**  
**SCHOOL OF ECONOMICS MANAGEMENT AND INFORMATICS**  
**DEPARTMENT OF ECONOMICS**

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## **ABOUT US**

The *Department of Economics* is the first department of the *School of Economics Management and Informatics* of the *University of Peloponnese*. It is located in Tripoli, the capital of Arcadia Prefecture. The School was founded in 2003 and it is expected to host the 'Department of Financial Accounting and Quantitative Analysis' and the 'Department of Business Administration' in the future.

The mission of the Department of Economics is to operate as a modern academic centre in the Prefecture of Arcadia, promoting academic knowledge, scientific research and scholarship.

The Department offers a wide range of courses that cover the fields of economics and finance, as well as related subjects, such as economic policies, economic geography, regional growth, corporate finance and environmental economics. In the future, our students will also be able to take courses from the 'Department of Financial Accounting and Quantitative Analysis' and the 'Department of Business Administration'. Furthermore, students have access to all modern means of education (computer laboratories, network connections, library and electronic resources etc.), as our effort is to provide essential and continuous support for advanced scientific knowledge and expertise.

The aim of the four-year Bachelor programme of study is the education of promising future economists, who support and respect institutions and academic values, being able to serve effectively the private and public sector as distinguished members of the economic and social life.

Our undergraduate programme also offers the necessary knowledge and skills for students who wish to continue their studies in a postgraduate or PhD programme at home or abroad.

Professor Dimitrios Thomakos  
Chair of the Department of Economics

## STAFF

**Chair:** Professor Dimitrios Thomakos

**Professors:** Panagiotis Liargovas  
Georgios Fotopoulos

**Associate Professors:**

**Assistant Professors:** Timotheos Aggelidis  
Athanasios Anastasiou  
Eirini Daskalopoulou  
Panagiotis Evangelopoulos  
Ioannis Giotopoulos

**Lecturers:** Vasiliki Skintzi

**Specialised Teaching Staff  
(English for Specific & Academic Purposes):** Maria Micha

**Specialised Technical Staff (IT):** Zacharias Dermatis

**Secretariat:** Dimitra Giannakopoulou  
Dimitra Psychoyiou

**Postgraduate Studies Secretariat:** Dimitra Giannakopoulou  
(MSc in Economic Analysis)  
Dimitra Psychoyiou  
(MA in Public Management)

**Security Personnel:** Marinis Kratimenos

## FACILITIES

### *Buildings and Classrooms*

The Department of Economics is housed in the state-of-the-art building complex of the School of Economics Management and Informatics in the location Sehi – Former 4<sup>th</sup> Firing Range (a site donated by the Ministry of National Defence) since September 2010. More specifically:

1. The ground level **K1** includes the main entrance and lobby with a lounge area and canteen. This is the most central part of the building that connects all other parts of the building complex.

2. The three-level **K2** includes:

On the ground floor – lobby, 2 Administration offices, 14 private offices for academic members of staff and ancillary areas.

On the 1<sup>st</sup> level – 16 private offices for academic members of staff, 5 offices for two academic members each and ancillary areas.

On the 2<sup>nd</sup> level – 3 private offices for Heads of Departments, 2 boardrooms, the Dean's office, the Dean's secretary office, lobby and ancillary areas.

3. The four-level **K3**, a building with lecture rooms on both sides of the corridors, also includes:

On the ground level – control room and storage rooms. There is also the connecting point with K1, staircase, lifts and rest rooms.

On the 1<sup>st</sup> level – 2 lecture rooms (capacity 98 each), 1 lecture room (capacity 64), a computer lab (capacity 40), 2 staircases, lifts and rest rooms.

On the 2<sup>nd</sup> level – 2 lecture rooms (capacity 98), 1 seminar room (capacity 45), 2 computer labs (capacity 40), 2 staircases, lifts and rest rooms.

On the 3<sup>rd</sup> level – 2 lecture rooms (capacity 84), 2 lecture rooms (capacity 48), 1 computer lab (capacity 38), 2 staircases, lifts and rest rooms.

4. **K4**, the library, is on the ground level. The library is located in a slightly isolated part of the building complex, offering the required conditions for study.

5. **K5** is an amphitheatrical lecture hall (capacity 380) with ancillary areas, storage space, dressing rooms and control-room.

The entire building complex is 2790.55 sq.ft. and the total construction area is 6134.31sq.ft.

## **Computer Laboratories and Network Services**

Our students have access to two modern computer labs, which support both the teaching and research needs of the Department. Our computers are equipped with the necessary software for mathematics, statistics and econometrics, offering students the possibility for continuous practice. Furthermore, they are equipped with Internet and e-mail browsers, offering students access to databases for economics and finance (Greek and international, e.g. Datastream, Effect), as well as online bibliographic databases (such as JSTOR).

The academic staff and the students of the Department can also use online services and resources provided by the UOP network. These include:

Dial-up and VPN connections

E-mail και web mail

Forum και news services

Archive transfer services

www-Server services for hosting websites (for the academic staff, for courses etc.).

## **Library – Reading Room**

The Library of the Department of Economics is organised according to the international standards in Library Science and includes a reading room (seating capacity 34) and PC workstations. The Library has online access to Greek and international libraries. It has a collection of more than 11,000 volumes, 120 printed journals and periodicals, and subscriptions to national and international databases. UOP, an official member of the Greek Academic Libraries Network (HEAL-LINK), offers all library users free access to full texts of articles in more than 8,5000 online international journals. The main aim of our Library is to improve its efficiency continuously and to upgrade provided services.

## **STUDENTS EXCHANGE PROGRAMMES – ERASMUS**

In our constant effort to provide further support, our Department has signed bilateral agreements with European universities (in Sweden, Slovakia, the Czech Republic, the Netherlands, Cyprus, etc.) according to the conditions of the Socrates-Erasmus student exchange programme. Our students have the possibility to transfer and convert easily the credits of the courses they have completed successfully with the use of the European Credit Transfer System (ECTS).

## **INTERNSHIP PROGRAMME**

The Department also offers Internships as an elective course. Through the programme of Internships, students have the chance to work temporarily in companies, organisations, or banks of the public and private sector, in order to prepare themselves properly for their transition to the job market.

## **UNDERGRADUATE STUDIES**

The undergraduate programme of studies consists of required and elective courses.

### *Bachelor Degree Requirements*

The B.Sc. in Economics is awarded to students who have successfully completed 42 courses:

- 31 required
- 11 elective

The total number of credits (ECTS) is 240.

- 6 credits for each course (required or elective)
- 4.5 credits for the four English terminology courses
- 12 credits for the thesis

### *Required Courses*

The following 32 courses are required. They include courses in economic theory and methodology, financial analysis, law, quantitative methods, English for economics and computer science. Students take required courses during the whole programme and the thesis is submitted during the last semester.

Semester	Course Code	Course Title	ECTS
<b>1<sup>st</sup> Semester</b>	ECO101	Introduction to Economics I	6
	ECO102	Economic History	6
	ECO103	Applied Mathematics for Economists I	6
	ECO123	Accounting I	6
	ECO105	Introduction to Computing	6
	ECO106	English Terminology for Economics I	4.5
<b>2<sup>nd</sup> Semester</b>	ECO121	Introduction to Economics II	6
	ECO124	Applied Mathematics for Economists II	6
	ECO205	Accounting II	6
	ECO225	Methodology of Economic Science	6
	ECO126	English Terminology for Economics II	4.5
<b>3<sup>rd</sup> Semester</b>	ECO104	Statistics I	6
	ECO201	Microeconomic Theory I	6
	ECO202	Macroeconomic Theory I	6
	ECO203	Financial Analysis I	6
	ECO206	English Terminology for Economics III	4.5
<b>4<sup>th</sup> Semester</b>	ECO122	Statistics II	6
	ECO221	Microeconomic Theory II	6
	ECO222	Macroeconomic Theory II	6
	ECO224	Financial Analysis II	6
	ECO228	English Terminology for Economics IV	4.5
<b>5<sup>th</sup> Semester</b>	ECO204	Econometrics I	6
	ECO301	Monetary Theory and Policy	6
	ECO322	International Trade	6
	ECO303	EU Economic Integration	6
	ECO325	Economics of the EU	6
<b>6<sup>th</sup> Semester</b>	ECO223	Econometrics II	6
	ECO321	Public Economics	6
	ECO227	EU Common Policies	6
	ECO006	Economics of Technology	6
	ECO324	Theory of Industrial Organisation	6
<b>7<sup>th</sup> Semester</b>	ECO401	Economic Analysis & Policy	6
	ECO402	Regional & Urban Economics	6
	ECO323	Money & Capital Markets	6
<b>8<sup>th</sup> Semester</b>	ECO422	Theories of Economic Development & Growth	6
	ECO326	Quantitative methods in Finance & Business Economics	6

*Elective Courses (3<sup>rd</sup> & 4<sup>th</sup> year)*

Students can take elective courses from the 3<sup>rd</sup> year of their studies.

<b>Course Code</b>	<b>Course Title</b>	<b>ECTS</b>
ECO421	Thesis	12
ECO330	General Education	6
ECO013	Business Economics	6
ECO014	Economics of Natural Resources	6
ECO025	Economics of Energy & Natural Resources	6
ECO009	Financial Derivatives & Fixed-Income Instruments	6
ECO035	Entrepreneurship & the Management of SMEs	6
ECO040	Development of New Products & Services	6
ECO028	Internship	6
ECO305	Current Issues in the International & Domestic Economy	6
ECO325	Investments	6
ECO333	Electronic Governance & Services to Citizens & Businesses	6
ECO332	Information Technology Applications & Health Economics	6
	Business Resources Management Systems	6

## **BRIEF COURSE DESCRIPTION**

### *Required Courses*

#### **1<sup>st</sup> Semester Courses**

##### **ECO101 Introduction to Economics I**

- Basic concepts in political economy
- Mechanisms of product pricing, production factors
- Introduction to various forms of markets
- Market equilibrium

##### **ECO102 Economic History**

- The economic environment of Greece, Europe and the US during the 19<sup>th</sup> and 20<sup>th</sup> centuries
- Analysis of economic, social and ideological trends in thought
- The evolution of European integration

##### **ECO103 Applied Mathematics for Economists I**

- Linear algebra (vectors, matrices, systems of simultaneous equations)
- Calculus (limits, derivation and integration)
- Optimization
- Differential equations

##### **ECO123 Accounting I**

- Fundamental principles of Accounting
- Introducing accounting and financial statements
- Basic accounting principles
- The balance sheet and its components
- The income statement
- Analysing and classifying transactions
- Summarizing and reporting

##### **ECO105 Introduction to Computing**

- Data processing
- Cell functions
- Graphs
- Scenario Analysis
- Use of Solver
- Filtering and Exporting of Data

##### **ECO106 English Terminology for Economics I**

- Introduction to the basic English terminology for economics and business
- Special emphasis on microeconomic terms
- Use of relevant texts and exercises for study and practice

#### **2<sup>nd</sup> Semester Courses**

### **ECO121 Introduction to Economics II**

- Description of Theories of money
- Economic cycles
- Inflation and unemployment
- Introduction to international economic relations

### **ECO124 Applied Mathematics for Economists II**

- Elements of mathematical programming
- Linear programming
- Non-linear and dynamic programming
- Stochastic differential equations
- Use of MS Excel and Lindo

### **ECO205 Accounting II**

- Capital and equity
- Inventory valuation methods
- Property
- Plant and equipment: depreciation
- Synthesis Greek Accounting standards

### **ECO225 Methodology of Economic Science**

- Structures of methodological approaches to economics
- Rules and principles of scientific inquiry (hypotheses-proposals-empirical tests)
- Critical description of basic schools of economic thought in terms of their methodological differences

### **ECO126 English Terminology for Economics II**

- Presentation of the basic English terminology for economics
- Special emphasis on macroeconomic terms
- Use of relevant texts and exercises for study and practice on issues like the business cycle, banking, exchange rates, trade and taxation

### **3<sup>rd</sup> Semester Courses**

#### **ECO104 Statistics I**

- Foundations of statistics: mathematics, probability theory, theory of inference
- Descriptive statistics
- Probability foundations: sample spaces, events, probability as a set function, random variables, probability functions, moments of random variables, quantiles
- Introduction to statistical estimation: random samples, estimators and estimates, estimation methods (method of moments and maximum likelihood), properties of estimators, construction of confidence intervals. Applications using the sample mean and other sample moments

#### **ECO201 Microeconomic Theory I**

- Consumer and producer behaviour
- Analysis of optimal choice

- Comparative static analysis and determining factors of demand and supply
- Types of markets: perfect competition, oligopoly, monopoly, monopolistic competition

### **ECO202 Macroeconomic Theory I**

- National accounts
- Macroeconomic equilibrium and comparative, static analysis
- IS-LM and AD-AS in open and closed economies
- Unemployment and inflation
- Fiscal and monetary policy

### **ECO203 Financial Analysis I**

- Introduction to the basic topics of Financial Management
- Time value of money
- Capital budgeting and the evaluation of cash flows
- Discounted cash flow analysis
- Risk analysis
- Securities (stocks and bonds) and their valuation
- Capital structure decisions
- Dividend policy
- Mergers and acquisitions
- Lease financing

### **ECO206 English Terminology for Economics III**

- Focus on more specialised issues of economics and finance
- Study of texts related to accounting, financial statements, pricing, money markets, stocks and shares, mergers and acquisitions

## **4<sup>th</sup> Semester Courses**

### **ECO 122 Statistics II**

- Introduction to testing of statistical hypotheses: meaning and use of statistical hypotheses, types of hypotheses, test statistics, significance and power of test statistics. Applications using the sample mean and other sample moments in one or two samples
- Introduction to correlation and simple linear regression
- Introduction to non-parametric statistical estimation and testing

### **ECO221 Microeconomic Theory II**

- Theory of general equilibrium
- Theories of decision making in conditions of risk
- Introduction to game theory
- Economics of well-being

### **ECO222 Macroeconomic Theory II**

- Theories of consumption (life cycle, permanent income etc.)
- Theories of investment (Q theory, accelerator)

- The labour market
- The money market (theories of demand, supply, and analysis of equilibrium)
- Models of expectations and comparison of macroeconomic theories

### **ECO224 Financial Analysis II**

- The investment environment
- Risk and risk aversion
- Capital allocation between the risky asset and the risk free asset
- Optimal risky portfolios
- The capital asset pricing model
- Single-index and multifactor models
- Arbitrage pricing theory
- Market efficiency
- Portfolio evaluation

### **ECO228 English Terminology for Economics IV**

- Study of more advanced texts related to the world of economy today
- Academic writing and presentation skills

### **5<sup>th</sup> Semester Courses**

#### **ECO223 Econometrics I**

The differences between statistics and econometrics

- Examples of econometric models
- The basic linear model and its hypotheses
- Properties of estimators
- Violation of standard assumptions and diagnostic tests
- Non-linear models and use of dummies
- Introduction to time series models

#### **ECO301 Monetary Theory and Policy**

- The role of money in the economy
- Theories of neutrality (Keynesianism and monetarism)
- The structure of the banking system, and the mechanisms of transfer of economic policy in open and closed economies
- The role, the independence, and the effective and comparative behaviour of Central Banks (National Central Banks, US Federal Reserve and the Bank of England)

#### **ECO322 International Trade**

- Examination and analysis of the theory and policy of international trade and the balance of payments
- Basic models of international trade (Ricardian, Heckscher-Ohlin)
- Alternative models based on economies of scale and imperfect competition
- Trade policy instruments (tariffs, quotas, non-tariff measures)

#### **ECO303 Economic Integration**

- Theoretical and empirical basic issues related to the process of economic integration
- Forms of economic integration (customs union, internal market, economic union etc.)
- Analysis of current forms of economic integration (globalization, European Union integration, economic integration in Asia, Latin America, etc.)

### **ECO/325302 Economics of the E.U**

- Theory of economic integration
- Historical evolution of EU integration
- EU institutions and policies
- Analysis of EU policies
- Greece and the EU

### **6<sup>th</sup> Semester Courses**

#### **ECO223 Econometrics II**

- Introduction to the theory and problems of econometric systems of equations: differences with univariate models, endogeneity, instrumental variables, tests for specification, introduction to system methods of estimation
- Vector autoregressive models and their uses in economics
- Time series econometric models, introduction to integrated and cointegrated time series
- Introduction to models for discrete dependent variables
- Introduction to models of panel data

#### **ECO321 Public Economics**

- Public goods, natural monopolies, external economies, and state intervention
- Taxes and the underground economy
- Public deficits and public debt, methods of investment, privatization
- Public administration and coordinating authorities

#### **ECO227 EU Common Policies**

- The integration of the common market
- Positive versus negative integration
- Common policies for agriculture
- Common policies for trade
- Common policies for transportation
- Economic and Monetary Union

#### **ECO006 Economics of Technology**

- Relationship between science, technology and the economy
- Effects of technological change on economic development and growth (at the micro and macro levels)
- Neoclassical and evolutionary approaches to economic growth, and approaches of dispersion of innovative technological changes in the economic system

- Control of effects of computer technology and communications on modern economic systems

### **ECO324 Theory of Industrial Organization**

- Forms of oligopoly, monopoly competition and the comparisons
- Vertical and horizontal diversification of products
- Theories of technological innovation, advertising and its effects on market equilibrium

### **7<sup>th</sup> Semester Courses**

#### **ECO401 Economic Analysis and Policy**

- Microfoundations of macroeconomics
- Dynamic models of general equilibrium
- Economic cycles
- Credibility and stability of fiscal and monetary policy

#### **ECO402 Regional and Urban Economics**

- Allocation of resources, population and labour force
- Economic and welfare
- Theories of space management, land usage and the environment at the urban and regional level

#### **ECO323 Money and Capital Markets**

- Fundamental notions of the institutional framework and the forces behind its evolution
- The nature and function of money and capital markets
- The capital market and the banking system
- The rational approach of the investor and the institutional framework of the markets
- New financial instruments and their role in the modern markets
- Futures and Hedging

### **8<sup>th</sup> Semester Courses**

#### **ECO422 Theories of Economic Development and Growth**

- Methods of measuring economic development and growth
- Theories of development and growth
- Endogenous development and technological innovation
- Differences in economic structures of developed, developing and underdeveloped countries

#### **ECO326 Qualitative Methods in Finance and Business Economics**

- Review of material from statistics and econometrics

- Introduction and examples of quantitative methods for use in finance and business economics
- Quantitative problems and applications of optimization and resource allocation
- Quantitative problems and applications of forecasting and decision making
- Quantitative problems and applications of risk management and asset allocation

*Elective Courses (3<sup>rd</sup> & 4<sup>th</sup> year)*

### **ECO421 Thesis**

A research project with original or critical content on an area of economic and/or financial analysis, or on another field covered by the elective courses.

### **ECO330 General Education**

#### **ECO013 Business Economics**

- Theories of FDI
- Characteristics of host countries
- The role of research and technology in multinational corporations
- Strategies of multinational corporations

#### **ECO014 Economics of Natural Resources**

- Basic concepts of natural, environmental and energy resources
- Models of environmental and energy economic policy
- The connection of natural and energy resources and economic development

#### **ECO009 Financial Derivatives and Fixed-Income Instruments**

- Introduction to financial derivatives and fixed-income instruments
- Mechanics of derivatives markets
- The use of derivatives from individual investors and companies
- Models developed for derivatives pricing
- Bonds and money markets and pricing models
- The risk measurement of fixed-income instruments
- Constructing the interest rate curve and measuring and hedging interest rate risk

#### **ECO035 Entrepreneurship and the Management of SMEs**

#### **ECO040 Development of New Products & Services**

#### **ECO028 Internship**

#### **ECO305 Current Issues in the International and Domestic Economy**

- Globalization
- Economic comparison of the Euro zone and the US (development, economic cycles, unemployment, inflation)
- The evolution of the Greek economy

### **ECO325 Investments**

- Theory of risk management
- Financial management of infrastructure projects
- Valuation of infrastructure projects
- Market risk
- Default risk
- Alternative methods of valuation

*Courses offered before the academic year 2012-13*

### **Monetary Theory and Policy**

- The role of money in the economy
- Theories of neutrality (Keynesianism and monetarism)
- The structure of the banking system, and the mechanisms of transfer of economic policy in open and closed economies
- The role, the independence, and the effective and comparative behaviour of Central Banks (National Central Banks, US Federal Reserve and the Bank of England)

### **Economics of the E.U.**

- Theory of economic integration
- Historical evolution of EU integration
- EU institutions and policies
- Analysis of EU policies
- Greece and the EU

### **International Monetary Relations**

- Short term and long term
- Determination of prices, of the product and the exchange rate , fixed and flexible exchange rates and the role of central banks in foreign exchange markets
- Description of the International and European Monetary System
- The debt problem of developing countries and eastern European countries

### **Economic Policies of the EU**

- Tax policy
- Regional policy
- Agricultural policy
- Environmental policy
- Social policy
- Trade policy
- Monetary policy

### **Theory of Industrial Organization**

- Forms of oligopoly, monopoly competition and the comparisons
- Vertical and horizontal diversification of products

- Theories of technological innovation, advertising and its effects on market equilibrium

### **Law and Institutions of the EU**

- Sources of EU law
- Legal identity of the EU
- EU bodies
- EU law, national law and European courts

### **Game Theory Applications**

- Strategic decision-making and game theory; interactions and pay-offs
- Describing a game, types of games; equilibriums
- Static and dynamic games with full information
- Static and dynamic games under uncertainty
- Applications of game theory in economics

### **International and Domestic Investments**

- Basic factors which attract international and domestic investments
- Analysis of the effects of international and domestic investments in the economy of a country

### **Economic Geography**

- Definition and concepts of economic geography
- Ecological, sociological and economic approaches
- Geography of populations (national and global)
- Geographical characteristics of the agricultural, industrial and tourist fields in Greece

### **Economics of Technology**

- Relationship between science, technology and the economy
- Effects of technological change on economic development and growth (at the micro and macro levels)
- Neoclassical and evolutionary approaches to economic growth, and approaches of dispersion of innovative technological changes in the economic system
- Control of effects of computer technology and communications on modern economic systems

### **Agricultural Economics**

- Economic production and distribution of agricultural products
- Concepts, goals and theories of agricultural development
- Contribution of agriculture to economic development and agricultural development policies
- The policy of the European Union for the development of agriculture and agricultural space, and the international dimension of agricultural and regional development

### **Management of Financial Institutions**

- The function and activities of the financial system

- Risk management
- Capital adequacy
- Interest rate risk
- Duration - convexity
- Value-at-risk

### **Financial Statement Analysis**

- Financial statements and reports: the balance sheet, the income statement, the statement of retained earnings, net cash flow
- Ratio analysis: liquidity ratios, asset management ratios, debt management ratios, profitability ratios, market value ratios
- Trend analysis
- Common size analysis
- Percent change analysis
- Comparative ratios and benchmarking
- Financial planning and forecasting financial statements
- Discounted dividend valuation
- Free cash flow valuation
- Residual income valuation

### **Mutual Funds and Institutional Investors**

- The institutional framework for the operations of the markets and a historical overview of the institution
- Net asset value
- Risk estimation
- Evaluation methods

### **Time Series Analysis and Forecasting**

- Time series analysis and forecasting in business, economics and finance
- Random walk, ARIMA models, ARCH, GARCH models
- Volatility forecasting
- Risk Management and Evaluation
- Performance measurement
- Utility functions and forecasting

### **Economics of Networks**

- Microeconomic characteristics of economic and financial networks
- Structural changes in the economic environment
- Structural changes in the economic environment from the development of computerized systems
- Properties, evaluation, costing and pricing of software systems and products
- Network compatibility and external economies

### **Management Information Systems**

- Organizational structures, business processes, information technology
- Information, management and decision-making
- Management information systems and data management

## **Marketing**

- Definitions of marketing
- Market research
- Development of the marketing plan
- Development of the marketing mix (product, promotion, price)
- Development of the promotion mix (advertising, public relations, publicity)
- Control and monitoring of marketing plans

## **Game Theory**

- Strategic decision-making and game theory; interactions and pay-offs
- Static and dynamic games with full information
- Static and dynamic games under uncertainty
- Game theory applications; negotiations, auctions

## **Political Economy**

- Main schools of political and economic thought
- Development, economic welfare, poverty, corruption, trade and economic policy according to the theoretical framework of political economy

## **Marxist Analysis**

- Methodology of the Marxist approach
- Pre-capitalist and capitalist forms of production
- Theory of value, surplus value, the role of money and the mechanism of capital accumulation
- Distribution of income and the Marxist interpretation of economic crises

## **Environmental Economics**

- Theories of the economic management of renewable and non-renewable natural resources
- Conditions for sustainable economic development
- The cost of external effects from economic activity
- Methods of decision-making and evaluation of environmental economic programs and policies

## **Transport Economics**

- Systems of transport, distinction between land (road, rail, air) and sea, as well as passenger and commercial
- Models of optimization of transport based on the comparison of social cost and benefit
- Transport price policy
- Reasons and methods of state intervention and regulation of transport
- Common goals of the European Policy on Transport: liberalization, control and privatization

## **Health Economics**

- Methodology of research on health services

- Theoretical models of evaluation and economic assessment of services and health programs
- The economics of health organizations

### **Banking IT**

- Banking software ATMs and credit card systems
- Internet banking, security issues and other banking services

### **Introduction to Information Technology**

- Computers and algorithms
- Programming languages and interpreters
- Architecture and functioning of networks

### **Applications of Econometrics**

- Suggested applications (may vary by year)
- Econometric models from macroeconomic theory: structure, specification and estimation, uses in policy analysis
- Econometric models in finance: CAPM, APT and others
- Econometric models from monetary economics: inflation targeting, interest rate rules
- Economic models for testing market efficiency
- Econometric models for exchange rate determination

## **POSTGRADUATE STUDIES**

The Department of Economics offers two postgraduate programmes of study:

- MSc in Economic Analysis
- MA in Public Management

### *MSc in Economic Analysis*

The Department of Economics offers the postgraduate programme MSc in Economic Analysis since 2009 according to the Law 3685/2008.

The programme focuses on theoretical and applied Economic Analysis with the aim to promote knowledge and research on an advanced level. Students can specialise in various fields related to Economic Analysis, in order to obtain advanced specialised knowledge and qualifications.

Candidates for the programme are only university graduates of economics of Greek or international recognised university institutions (article 4, par. 1, Law 3685/2008).

The minimum duration for the award of the postgraduate degree is three (3) semesters. In very special cases, after the supervisor's official request and the Board's decision, deadline can be extended to one (1) more semester.

The programme of study includes the following courses:

### Semester A':

#### *Required Courses*

1. Theory & Applications of Macroeconomic Analysis
2. Theory & Applications of Microeconomic Analysis
3. Theory & Applications of International Economic Analysis
4. Theory & Applications of Econometrics

### Semester B':

Students choose a required course from Group A and an elective course from Group B, or alternatively the exact opposite (an elective from A and a required from B)

OR

the course 'European Regional Integration & Policy' offered by the Jean Monnet Chair.

#### Group A: 'Economic Analysis & Policy'

1. Regional Growth & Policy
2. Economics of Growth
3. Institutional Economics

#### Group B: 'Applied Economic Analysis'

1. Theory & Applications of Financial Analysis
2. Theory & Applications of Corporate Finance
3. Advanced Quantitative Methods and their Application in Economic Analysis

### Semester C'

#### Thesis

Attendance, lectures, seminars, workshops and all kinds of educational or research activities required for the award of the MSc in Economic Analysis are analysed as follows:

- a) Compulsory attendance of eight (8) courses (7.5 credits each out of 60 ECTS).
  - b) Pass mark in the examination of the eight (8) courses.
  - c) Thesis submission (30 credits).
- (Total number of credits 90).

The language of instruction is Greek and English.

#### *MA in Public Management*

The Department of Economics offers the postgraduate programme MA in Public Management since 2006, which specialises in the field of the public sector services, organisations and businesses.

Candidates for the programme are only university graduates of economics of Greek or international recognised university institutions.

The minimum duration for the award of the postgraduate degree is three (3) semesters. In very special cases, after the supervisor's official request and the Board's decision, deadline can be extended to one (1) more semester.

The programme of study includes the following courses:

### Semester A':

#### Required Courses

1. Regional-Local Growth & Organisations and Businesses of the Public Sector
2. The Management of Organisations and Businesses of the Public Sector
3. Strategic and Business Planning of Organisations and Businesses of the Public Sector
4. Financial and Management Accounting of Organisations and Businesses of the Public Sector

### Semester B':

#### Required Courses

1. Public Economics
2. Quantitative Methods in Business Decision Making
3. Basic Economic Principles & Organisations and Businesses of the Public Sector

#### Elective Courses

Students take one of the following elective courses:

1. Financial Institutions and Organisations
2. EU and Greek Economic Policies
3. Marketing of Organisations and Businesses of the Public Sector

### Semester C

#### Thesis

Attendance, lectures, seminars, workshops and all kinds of educational or research activities required for the award of the MA in Public Management are analysed as follows:

- a) Compulsory attendance of eight (8) courses (7.5 credits each out of 60 ECTS).
  - b) Pass mark in the examination of the eight (8) courses.
  - c) Thesis submission (30 credits).
- (Total number of credits 90).

The language of instruction is Greek and English.

## **PhD STUDIES**

The Department of Economics offers doctoral studies to highly qualified candidates. The purpose of a PhD is independent, innovative and thorough research promoting the Science of Economics.

### ***PhD Graduates***

Konstantinos Skandalis – Topic: ‘Determinant Factors of Business Competitiveness: The Case of Greek Businesses in the Markets of Greece and Southeastern Europe (1996-2006), 21-1-2009, Supervisor: Professor P.Liargovas.

Panagiotis Schizas – Topic: ‘Evaluation Market Timing Trading Strategies: Neutral vs Non Neutral Approaches with a Comprehensive Application to Exchange Traded Funds’, 9-3-2010, Supervisor: Professor D.Thomakos.

Dimitrios Dapontas – Topic: ‘Monetary Crises with Emphasis on the Countries of Central and Eastern Europe’, 9-3-2010, Supervisor: Professor P.Liargovas.

Dimitrios Vortelinos – Topic: ‘Modelling and Prediction of the Financial Performance Volatility. A Systematic Comparison of Results, Predictions and Financial Performance in Different Markets’, 9-3-2010, Supervisor: Professor D.Thomakos.

Spyridon Repousis – Topic: ‘The Impact of Mergers and Acquisitions in the Effectiveness of the Greek Banking System’, 6-4-2012, Supervisor: Professor P.Liargovas.

Giorgios Zekos – Topic: ‘Copyright and the Impact on Foreign Investments’, 30-10-2012, Supervisor: Professor D.Thomakos.

### ***PhD Candidates***

Alexopoulos Thomas

Anastasia Aggelopoulou

Nikolaos Apostolopoulos

Stavroula Fameliti

Ioanna Gagara

Vasilios Kanellopoulos

Kanela Karambela

Adamantia Kehagia

Ioanna Kouri

Panagiota Kyriazi

Dimitra Lambrou

Dimitra Mitsi

Georgios Pantelopoulos

Anastasia Papakonstantinou

Eleni Petra

Dimitrios Skalkos

Grigorios Spyrakis

Dimos Tasoudis

Andreas Tsalas