Dept of Economics
UNIVERSITY OF CRETE

SYLLABUS OF SEMINAR COURSES

ACADEMIC YEAR 2025/2026

Rethymno, 14 February 2026

SPECIAL TOPICS IN ECONOMETRICS - OIK4101

Instructors	Tsiotas Georgios
Course Web Page	http://econservices.soc.uoc.gr/econ_classes/enrol/index.php?id=42
Basic textbook	
Supplementary material	

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
52	0	90	142

Lectures

SPECIAL TOPICS IN INDUSTRIAL ORGANISATION - OIK4201

Course Objectives

This seminar aims to allow students to delve into special topics of Industrial Organization, particularly in Competition Policy. The seminar is conducted in thirteen (13) weeks of meetings. Attendance is mandatory. Students are divided into groups of 2 to max 3 members. Each group undertakes to present a case study from the Greek or European reality, and its corresponding Competition Policy theory in which the case study falls.

Instructors

Skartados Panagiotis

Course Web Page

https://econservices.soc.uoc.gr/econ_classes/enrol/index.php?id=379

Prerequisites

Sufficient knowledge of Microeconomic Theory (as in ECO1005, ECO2002, and ECO2005 series), Industrial Organization (as in ECO3201), and understanding of basic Game-Theoretic concepts (as in ECO3102).

Learning Outcomes and General Competencies

On successful completion of the seminar, the students will be able to:

- Understand in-depth the necessity and usefulness of the Competition Policy at the National and European levels.
- Gather data from bibliographic sources and the internet regarding Competition Policy issues.
- Study and analyze case studies related to Competition Policy (in particular), and Industrial Organization (in general).
- Prepare a report (in English, max 2000 words) where a case study is presented in detail and in a critical way and draw conclusions from it.
- Critically present to the public the conclusions of such case studies (max 15 minutes).
- Exercise critical review on written and oral presentations of his/her colleagues.
- All the above should lead to shaping Economists able to improve market efficiency and increase social welfare.

The general skills that the student will acquire are:

- Critical thinking.
- Collection of case-study-related data.
- Public speaking and presentation.
- Teamwork.
- Commenting on presentations by other speakers.

Assessment method

The assessment is based on each team's final presentation. During Week #5, students form teams of 2 or max 3 members. During the same week, the instructor presents to them a menu of case studies related to Greek and/or European Competition Policy. Each team chooses a case study to present. If multiple teams want the same case study, the instructor unilaterally decides and assigns the case study to a team. The contribution of each member to the final presentation must be very clear. The instructor grades students, not teams. A

team member must present the case study (in English) in Week #10 for the Interim Presentation, and a different team member must make the final presentation in Week #13. Students are graded based on their contribution to the presentation, skills, teamwork, critical thinking, and comments and suggestions to other teams during the interim and final presentation.
Suggestive case studies:

- Successful merge of Aegean Airlines with Olympic Airlines
- Blocked merge of National Bank of Greece and Eurobank
- Skype – Microsoft merge
- Microsoft's market power and abusive practices
- Google's market power and abusive practices

Tutoring courses

Not offered for this seminar

Basic textbook

Motta, M. (2004). **Competition Policy. Theory and Practice**, Cambridge University Press,

Belleflamme, P. and Peitz, M. (2009). **Industrial Organization: Markets and Strategies**, Cambridge University Press,

Tirole, J. (1989). **Theory of Industrial Organization**, MIT Press, Cambridge, Mass..

Supplementary material

Schmalensee, R. and Willig, R. (1989). **Handbook of Industrial Organization, Vol.1-2**, North-Holland,

Armstrong, M., and Porter, R. (2007). **Handbook of Industrial Organization, Vol.3**, North-Holland,

Basu, K. (1993). **Lectures in Industrial Organization Theory**, Blackwell,

Martin, S. (2002). **Advanced Industrial Economics**, McMillan,

Course load per

Lectures	Tutorials	Individual effort	Total

semester (in hours)	52	0	93	145

Lectures

Week 1: Introduction to Competition Policy

Motta (2004) chapters 1-2-3

- A brief history of Competition Policy
- Objectives of Competition Policy
- The main features of the European Competition Law
- Public policy and the incentives to innovate
- Efficiency (allocative, productive, and dynamic)
- Market definition
- The assessment of market power
- Case studies

Week 2: Collusion and horizontal mergers

Motta (2004) chapters 4-5

- Collusion, cartels, and factor facilitating them
- Research joint ventures; a special case of collusion
- Horizontal mergers
- Horizontal merger effects and efficiency gains
- Horizontal merger remedies and policy in the European Union
- Case studies

Week 3: Vertical restraints and other abusive practices

Motta (2004) chapters 6-7

- Vertical restraints
- Intra-brand and inter-brand competition
- Vertical mergers
- Vertical merger effects and efficiency gains
- Vertical mergers remedies and policy in the European Union
- Predation, monopolization, and other abusive practices
- Case studies

Week 4: The Greek perspective

Instructor's lecture notes

- The Greek Competition Policy
- Case studies

Week 5: Choosing a topic and forming teams

Instructor's lecture notes

- Topics are presented
- Teams of 2 or max 3 are formed
- Topics per team are chosen

Weeks 6-12: Discussing progress

- Progress on the final presentation is discussed

Week 13: Final presentation

- Teams are presenting their topic (max 15 minutes per team)
- Teams submit a report (in English, max 2000) relevant to the presented topic

INTRODUCTION TO PRIMARY MARKET AND OPINION RESEARCH - ΣΚΕ4201

Course Objectives

The course introduces students to the processes of primary research, with emphasis on quantitative data that capture opinions, trends, and preferences, which are collected and managed using appropriate methods to ensure correctness and accuracy. Further, the course moves on to data analysis based on established techniques to ensure the validity of the conclusions.
As part of the course, students are initially required to attend theoretical training lectures on topics related to market research and opinion research. Then a role-play is developed, where students are asked to act as professionals involved in the survey process under the guidance of a supervisor to develop a comprehensive result for a stakeholder (institution or company). Thus, they are asked to conduct primary survey (as a laboratory exercise), independently analyse the results, write a technical report, and create an effective presentation of their key findings.

Instructors

Pigounakis Kostis

Course Web Page

https://econservices.soc.uoc.gr/econ_classes/course/view.php?id=493

Prerequisites

A prerequisite for the course is that the student should be familiar with the basic concepts of Inferential Statistics and be fluent in the use of specialized applications for statistical analysis. It also requires proficiency in the use of office suite applications.

Learning Outcomes and General Competencies

Upon successful completion of the course, the students will have acquired knowledge of the following:

- statement of the stakeholder's requirements for the survey,
- identification of the problem,
- choice of data collection methodology,
- primary survey design,
- data collection,
- data processing and management,
- analysis of the results and drawing conclusions,
- writing a technical report, and
- presentation of results.

The general competencies that the student will acquire upon completion of the course are:

- Use of tools and technologies.
- Adapting to new situations.
- Decision-making.
- Teamwork.
- Autonomous work.

Assessment method

The evaluation is based on 3 axes:

- The first axis concerns the understanding of the theoretical lectures ascertained through multiple-choice questions per lecture. The process is carried out through the e-learning platform hosting the seminar material The weight of the axis is 10% of the total grade.
- The second axis concerns student participation in conducting primary research as a laboratory exercise. The weight of the axis is 40% of the total mark.
- The third axis aims to produce targeted results and involves writing a technical report that captures the research process, data analysis, conclusions and recommendations to the stakeholder, as well as creating a short video presentation of the findings. The weight of the axiom is 50% of the total mark.

Assessment on the first two axes is dichotomous (pass-fail).
The assessment of the third axis is captured on a 0-10 rating scale. The score is based on the quality of the deliverables (technical report and video presentation) relative to what is expected of a practitioner in the field.

Tutoring courses

Not offered.

Supplementary material

Siomkos C. I. and Mavros D. A. (2008). **Market Research**, Stamoulis Publications, Athens (in Greek).

Stathakopoulos, V. (2005). **Market Research Methods**, Stamoulis Publications, Athens (in Greek).

Malliaris, P. (2001). **Introduction to Marketing**, Stamoulis Publications, Athens (in Greek).

Kotler P. (2000). **Marketing Management (The Millennium Edition)**, Prentice Hall International, Inc.,

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
47	0	102	149

Lectures

Week 1: Introduction – Data and Decision Making

Week 2: Survey Process - Design, Types, Reasons for Failure

Week 3: Qualitative Market Research

Week4: Data Collection Design

Week 5: Sampling

Week 6: Measurements and Statistical Analysis

Week 7: Implementation and Results

Week 8: LAB - Preparation and Familiarisation with the Equipment for Conducting Survey

Weeks 9 -10: LAB - Conducting Primary Telephone Survey (4-5 shifts)

Weeks 10 - 12: Management and Analysis of Results, Drafting a Technical Report, Creating a Video Presentation

Week 13: Submission of Technical Report and Video Presentation of Results

LABOUR ECONOMICS II - OIK4105

Course Objectives

The objective of this seminar is to profoundly revise and extend the learning material of the course Labour Economics (OIK 3111) by means of a written assignment/working paper – under the tutor's directive assistance – on the part of each student (or a number of students working in a group) on topics regarding various Microeconomic and Macroeconomic aspects of the contemporary labour markets

Course Web Page

http://econservices.soc.uoc.gr/econ_classes/enrol/index.php?id=43

Prerequisites

Sufficient knowledge of – fundamental – Microeconomics & Macroeconomics, and basic skills of differential calculus and analytical geometry. However, if a selection procedure is needed for the limited seminar slots (up to 21) be allocated to the interested students, priority would be given to those who have successfully completed the course Labour Economics (OIK 3111)

Learning Outcomes and General Competencies

On successful completion of their written assignments, students will be able to:

- Unfold and identify their working issue by coherently relating it with the real life's stylized facts.
- Systematically trace out – by means of descriptive statistics and graphs – the data which may identify the major causes, as well as the most significant parameters, of the phenomena under examination.
- Work out an extensive review of the relevant theoretical and/or empirical literature.
- As much analytically develop a basic model, and enrich their documentation by also referring to alternative models, which can tentatively explain the real life's stylized facts
- Deduct conclusions by – as above – combining theoretical and empirical documentation, and spell out relevant public policies which may be used.
- Propose an issue, or a topic, to be further examined, as well as the methodology of approaching it, based upon the findings of their ongoing study/assignment.
- By means of a Power Point Presentation, present and explain in the classroom the – as above – main ingredients of their work, as much informatively answer to the audience's raised questions, and evaluate/incorporate the relevant comments made up, in order to improve their written assignment's final draft.

Regarding the acquired general skills, students will be able to:

- Search, analyze, combine and compose, data and information elements, by making use of the available tools and technology.
- Work collectively
- Adapt to new circumstances
- Produce ideas for/design further research

Assessment method

Seminar requirements

The seminar is structured across 13 weeks. Attendance in any week is compulsory for all students. The assignments undertaken by the students can be: **(a) Personal**/student specific. **(b) Collective**/group specific. An assignment can be in the form of: **(i)** a

theoretical working paper, that is to deal with a specific topic in theory – by means of either constructing a simple model, or simulating a model contained in a published paper, or performing an extensive survey of the relevant literature – **(ii)** a (small) **empirical** project, where students must identify and explore the evolution and the trends of critical dimensions and outcomes of the labour market in some particular sector, region, or national/international macroeconomic entity (for example, the Euro zone), and evaluate their findings on the basis of the economic theory.

Assessment

- The case (i) assignments must be in pdf, with text and (wherever applies) diagrammatical and mathematical analysis incorporated in the same file. The case (ii) assignments must be in ppt – with graphs of descriptive statistics – and incorporated text in the same file.
- The assignments' presentations in the classroom are taking place during the seminar's last three weeks, and any student or working group has up to 30 minutes, for the presentation, and up to 20 minutes to respond/answer to comments/questions raised by the audience.
- After the presentation in the classroom, every student/working group – considering the comments/questions raised by the audience as well as the tutor's suggestions – must prepare the final version of his/her/their written assignment and upload it to the seminar's electronic page till the end of the relevant examination period (i.e., by the end of June when the seminar is held during the Spring semester). In this final version, any comments/suggestions raised during the presentation, as well as any amendments made in response, must have been incorporated in a separate section/appendix
- The students' final grade for the course/seminar is based upon assessment of: 20% for the comments/suggestions made to their colleagues' assignments, 30% for the presentation in the classroom, and 50% for the written assignment (per se).
- In case that the final version of the written assignment is delayed/delivered after the end of the relevant examination period, it will be considered for assessment in the second examination period (i.e., in September), and charged by a penalty equal to (minors) 30% of the final grade.

Directions for a written assignment
Case (i) – theoretical working papers

- The first part of the working paper must clearly raise the issue to be examined and, as much as possible, relate it to real –life stylized facts.
- The second part of the working paper must contain an informative survey of the relevant scientific literature.
- The third part of the working paper must analytically present the basic model or (in the case(s) of a literature-survey, or of a model-simulating, working paper) the most influential models regarding the theoretical reasoning/explanations behind the real –life stylized facts.
- The third part of the working paper must present the findings of the foregoing analysis, and possibly suggestions for further research.

Case (ii) – (small) empirical projects

- The first part of the empirical project must specify the issue as well as the field and the time span of the proposed investigation (for instance, examining the unemployment trends in the region of Crete, 2000-2017). It must also contain a short presentation of the theoretical framework on the basis of which the emerging facts and trends can be explained.
- The second part of the project must contain a review of the available empirical contributions which are relevant with the project's issue.

- The third part of the project must extensively present – by use of descriptive statistics graphs and indicators – the stylized facts which identify the major dimensions of – and causes behind – the examined phenomena. For that, the students must search for and retrieve original data from various data sources
- The fourth part of the project must present the findings of the foregoing research – and coherently suggest possible policies – by means of a SWOT analysis format.

Tutoring courses

Not offered.

Basic textbook

Lianos, Th. & Daouli-Demousi, A. (1998). **Labour Economics**, Benos Publishing, Athens (in Greek).

Layard R., Nickell, S. Jackman, R. (1993). **Unemployment: Macroeconomic Performance and the Labour Market**, Oxford University Press, Oxford.

Booth, A. (1996). **The Economics of the Trade Union**, Cambridge University Press, USA.

(2016). **Lecture Notes (in Greek) on Labour Economics (OIK3111) by the tutor (can be found in the course's electronic page)**, Rethymno.

Ehrenberg, R. & Smith, R. (2017). **Labour Economics, Modern Approach to Theory and Public Policy**, Broken Hill Publishing, Nicosia (in Greek).

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
52	0	88	140

Lectures

Week/Lecture 1 - Week/Lecture 7:

- Determination and Allocation of the assignments' themes/topics, across students/groups of students, foundation of the necessary learning material – by means of focused lectures

in the classroom – directions and assistance for research, etc.

Week/Lecture 8 - Week/Lecture 10:

- Classroom meetings for monitoring and evaluating the assignments' working progress, provision of further guidance, information and directions on the part of the tutor.

Week/Lecture 11 - Week/Lecture 13:

- Presentation in the classroom of the first version of all written assignments, comments/ suggestions, on the part of the audience, points of attention and suggested corrections on the part of the tutor.

ECONOMIC GROWTH II - OIK4106

Instructors	Kalaitzidakis Pantelis

Course load per semester (in hours)	Lectures	Tutorials	Individual effort	Total
	52	0	93	145

Lectures

SPECIAL TOPICS IN ECONOMIC THEORY - OIK4301

Instructors	Milonakis Dimitris
Course Web Page	http://econservices.soc.uoc.gr/econ_classes/enrol/index.php?id=56

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
39	0	111	150

Lectures

POLITICAL ECONOMY OF THE AGRICULTURAL SECTOR II - OIK4303

Course Web Page http://econservices.soc.uoc.gr/econ_classes/course/view.php?id=58

Basic textbook

Course load per semester (in hours)	Lectures	Tutorials	Individual effort	Total
	46	0	119	165

Lectures

COMPUTERS III - OIK4501

Course Objectives

The purpose of the seminar is for students to apply the tools they have acquired in the courses of Computers, Statistics and Econometrics to an economic question of their choice. In the lectures that take place during the semester, an attempt will be made to apply economic theory to the study of the behavior of statistical data or estimators under different types of data and sample sizes. Part of the seminar will be devoted to the presentation of commercial and open-source software that students should adopt as analytical tools. Participants in the seminar will have the option of collecting data using questionnaires if they do not want data from relevant databases. The seminar is addressed to students who are interested in deepening their knowledge in applied statistical research and the possibilities of utilizing new innovative software and techniques. In addition, in the seminar will be used a LIMESURVEY server - open-source software. Using this software as a vehicle, students interested in this kind of research will be able to write surveys using questionnaires in real time.

Instructors

Drakos Periklis

Course Web Page

http://econservices.soc.uoc.gr/econ_classes/enrol/index.php?id=6

Prerequisites

A student, in order to attend the seminar, it is necessary to have familiarity with computers, knowledge of the English language as well as with statistics and statistical tests of hypotheses. Familiarity with the multiple linear regression model and coefficient testing with linear constraints is also required. Due to the nature of the seminar, which concerns a large part of statistics and econometrics courses, it is required that the students applied, to have successfully completed the courses: Statistics II (ECON1006), Computers II (ECON2501), Econometrics I (ECON2003) and Mathematics I (ECON1001).

Learning Outcomes and General Competencies

Upon successful completion of the course, the student will be able of the following:

- Students have used extensively statistical analysis software (commercial and open source) and comprehend their connection with statistics, econometrics and courses that make wide use of quantitative and qualitative analysis in economics.
- Students acquired knowledge of the principles of statistical and econometric software from a theoretical and practical point of view.
- They are able to describe and interpret complex results of statistical concepts, hypothesis tests and specific econometric problems.
- Be able to design a questionnaire.
- Be able to draw up, codify and analyze a questionnaire of quantitative and qualitative survey.
- Search, analysis and synthesis of data and information, using the necessary technologies.
- Promotion of free, creative, and inductive thinking and writing.

Assessment method

The evaluation of the students will be done in combination with the written assignment and the oral presentation of the results in class. The oral presentation will take place in the last two weeks of the course (with the mandatory use of presentation software), while the

written assignment must be delivered on the last day of the regular examination period of the Department.
The written assignment includes the following steps:

- Finding a topic related to the economic literature (Econlit).
- Find literature related to the topic.
- Finding data to do the empirical analysis. Analysis and interpretation of results.
- Presentation and writing of empirical work.

The work should concern the study of an economic or statistical problem or a method of estimation-analysis of data under real market conditions. For the realization of the assignment, students may write the required code in HTML, Eviews, SPSS, Gretl, R which will include the execution or calculation of specific statistical data that summarize the results and graphs. This code will be part of the written work as an appendix and not in the main text. Students must propose a specific topic for their work during the first meetings. Work items given in the previous two years are not allowed. The written assignment that will be delivered at the end of the semester should include the following parts:

- Summary: The purpose of the empirical work will be described.
- Theory: Basic hypotheses of the economic problem or research. Description of the effects arising in the analysis-assessment of the data.
- Description of the analysis: models, parameter values, sample size, number of simulations, etc.
- Results: tables, graphs, comments. Conclusions of empirical work.
- Bibliography.
- Annex with code used or software commands.

Tutoring courses

Not offered.

Basic textbook

Supplementary material

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
47	30	83	160

Lectures

Process of Empirical Research, description, and objectives of the seminar.

- Basic operations and creation of complex data files. Basic functions and mathematical constants.
- Series Transformations, Functions, and Dynamic Charts
- Types of variables and parametric analysis. Series transformations and statistical functions. Functions of random variable distributions.
- Dynamic graphs: plot and histograms.

Econometric software for Advanced users I

- Creation of matrices and operations with matrices.
- Import data from text files (problems - techniques). Econometric problems.
- The use of the LS function to estimate the multiple linear regression model.

Econometric software for Advanced users II

- Residue checks. Stability tests.
- Statistical Tests of Autocorrelation - Heteroscedasticity. Trends and Moving Average.

Econometric software for Advanced users III

- Use of pseudo-variables and problems. The problem of cointegration. Time series and unit root tests.
- VAR models
- VECM Models - ARDL

PANEL Data - Discussion on the Progress of Work

- Import and transform data.

Systems of Equations and Presentation of Different Estimation Methods

- Systems of Equations - Example of a Demand System. SURE estimation.
- Imposition and incorporation of constraints on equations. Progress of work and questions.

Qualitative variables in field surveys.

- Construction and coding of questionnaires.
- Construction of online surveys with code on the LimeSurvey server.
- Export data from LimeSurvey to commercial and open-source software. Automatic descriptive analysis of questionnaires.

Multivariate Analysis of Questionnaire Results

- Correlations of quantitative and non-quantitative variables. Variance analysis of repeated measurements.

Presentation of open and commercial PRESENTATION software.

DATA COLLECTION, MANAGEMENT AND ANALYSIS - OIK4203

Course Objectives

This seminar course introduces the student to the processes of data collection, management and analysis. Emphasis is placed on primary data that capture opinions, trends and preferences, whose collection and management is carried out using appropriate methods to ensure correctness and accuracy. Furthermore, data analysis is based on well-established techniques that ensure the validity of the conclusions.
In the framework of the seminar, the students are initially required to attend theoretical training lectures. Then a role-play is developed, where students are asked to act as professionals involved in the survey process under the guidance of a supervisor in order to develop a comprehensive result for a stakeholder (institution or company). Thus, they are asked to conduct primary survey (as a laboratory exercise), independently analyse the results, write a technical report and create an effective presentation of their key findings.

Instructors

Pigounakis Kostis

Course Web Page

https://econservices.soc.uoc.gr/econ_classes/course/view.php?id=101

Prerequisites

It is a prerequisite for the course that the student is familiar with the basic concepts of the Mathematics, Statistics and Computer courses taught in the Department. It also requires fluency in the use of office applications and data analysis tools.

Learning Outcomes and General Competencies

Upon successful completion of the course, the students will have acquired knowledge of the following:

- statement of the stakeholder's requirements for the survey,
- identification of the problem,
- choice of data collection methodology,
- survey design,
- data collection,
- data processing and management,
- analysis of the results and drawing conclusions,
- writing a technical report, and
- presentation of results.

The general competencies that the student will acquire upon completion of the course are:

- Use of tools and technologies.
- Adapting to new situations.
- Decision-making.
- Teamwork.
- Autonomous work.

Assessment method

The assessment is based on two co-equal axes. The first concerns, on the one hand, the understanding of the theoretical lectures, assessed through multiple-choice questions per

lecture and, on the other hand, participation in a primary survey as a laboratory exercise. The assessment of the activities of the first axis is dichotomous (pass/fail).
The second axis aims to deliver results to the stakeholder and involves writing of a technical report that captures the survey process, data analysis, conclusions and recommendations to the stakeholder, as well as creating a short presentation of the key findings for the stakeholder. The assessment of the second axis is based on the quality of the deliverables (technical report and presentation) in relation to what is expected from a professional of the field.

Tutoring courses

Not exist.

Supplementary material

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
47	0	102	149

Lectures

MASS MEDIA AND ENTERTAINMENT ECONOMICS II - OIK4205

Instructors	Tzouvelekas Vangelis
Course Web Page	http://econservices.soc.uoc.gr/econ_classes/course/view.php?id=93
Basic textbook	
Supplementary material	

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
52	0	88	140

Lectures

MONETARY THEORY II - OIK4102

Course Objectives

The objective of this course is to introduce students to the academic debate and research on monetary theory and policy. Students will investigate current research questions in relevant topics. They may conduct empirical research (employing econometric techniques), a case study or a literature review.

Instructors

Giannellis Nikolaos

Prerequisites

Sufficient knowledge of (1) Macroeconomics and (2) Monetary Theory I is required (courses ECO1002, ECO2001, ECO3109). In case of an empirical research, students should be familiar with econometric techniques.

Learning Outcomes and General Competencies

On successful completion of the course, the students will be able to:

- Find relevant sources in the literature
- Collect data and do econometric analysis
- Employ theoretical and empirical tools in economic analysis
- Draw conclusions based on their empirical/theoretical analysis
- Write academic papers
- Present their results.
- Give answers and propose solutions to monetary unions related research questions.

Assessment method

The assessment is based on a PowerPoint presentation (30%) and a written paper (70%), which will be delivered at the end of the semester.

Tutoring courses

Not offered for this course.

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
45	0	117	162

Lectures

SPECIAL TOPICS IN FINANCE - OIK4206

Course Objectives

The main objective of this course is to familiarize students with the skills of planning and writing a research paper, including the formulation of a research problem, the use of primary evidence, and the techniques of documentation. Students will investigate current research questions in special topics in finance. The seminar is conducted in thirteen weeks of meetings. Weekly attendance is mandatory.

Instructors

Gaganis Chrysovalantis

Course Web Page

http://econservices.soc.uoc.gr/econ_classes/course/view.php?id=111

Prerequisites

Sufficient knowledge of Financial Management I (OIK3207), Financial Analysis I (3206), Statistics II (OIK 1006) and Econometrics I (OIK2003).

Learning Outcomes and General Competencies

On successful completion of the course, the students will be able to:

- How financial markets work and the reason they exist.
- The implications of market efficiency.
- The security market line and the risk-return trade off.
- The different types of exchange rate risk, and the ways in which firms manage exchange rate risk.
- The shortcomings of and limitations to market efficiency from the behavioural finance view.
- The exposures to risk in a company's business, and how a company could choose to hedge these risks.
- Preparing research papers on assigned topics or smaller empirical or analytical research projects, while applying exact technical procedures and methodologies.
- Critically commenting on the projects of other seminar participants and verifying their remarks.
- Formulate a research problem or question.
- Use different academic sources to find references.
- Evaluate results based on different sources.

Assessment method

The students' final grade for the seminar is based upon assessment of: 20% for the comments/suggestions made to their colleagues' assignments, 25% for the presentation in the classroom, and 55% for the written assignment.

Tutoring courses

Not offered.

Basic textbook

Elton E.J., Gruber M.J., Brown S. and Goetzmann W. (2010). **Modern Portfolio Theory and Investment Analysis**, John Wiley and Sons, Inc., New York.

Saunders A. and Cornett M. (2015). **Financial Markets and Institutions (6th edition)**, McGraw-Hill Education, New York.

Τζαβαλής Η. και Πετραλιάς Α. (2009). **Επενδύσεις**, Εκδόσεις Εταιρεία Αξιοποίησης και Διαχείρισης της Περιουσίας του Οικονομικού Πανεπιστημίου Αθηνών ΑΕ, Αθήνα.

Supplementary material

Sharpe W.F., Alexander G.J., Bailey J. V. (1999). **Investments (6th edition)**, Prentice Hall, New York.

Rose P. and Hudgins, S.C. (2005). **Bank Management and Financial Services**, McGraw Hill, New York.

Παπαδάμου Σ. (2009). **Διαχείριση Χαρτοφυλακίου μια Σύγχρονη Προσέγγιση**, Εκδόσεις Gutenberg, Αθήνα.

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
39	0	101	140

Lectures

Week 1: Introduction

- Description and seminar goals.

Week 2: Topics are presented

Week 3: Choosing a topic

- Selecting a topic
- Restricting the subject
- Focus of the study
- Hypothesis/ Objectives
- Outline

- A working bibliography

Week 4: Financial Markets

- Foreign exchange markets and exchange rates
- Exchange rate risk

Week 5: Risk and Return

- Some lessons from recent capital market history

Week 6: Topics in corporate finance

- International corporate finance
- Behavioural finance

Week 7: Credit risk portfolio models

Weeks 8-10: Progress and consultation on reports

Weeks 11-13: Presentations

INTRODUCTION TO PROGRAMMING USING R - OIK4502

Course Objectives

The objective of this course is to introduce and give the basic knowledge to students to programming using R. Key actions, such as installation of R, data handling, vectors, lists, matrices, data frames, operators are taught. Further, plots and self-writing writing functions will be presented.

Instructors

Tsagris Michail

Course Web Page

https://econservices.soc.uoc.gr/econ_classes/course/view.php?id=123

Prerequisites

Sufficient knowledge of Statistics I (ECO1003) and II (ECO1006), Econometrics I (ECO2003) and II (2006), Computers for Economics I (ECO1501) and II (ECO2501).

Learning Outcomes and General Competencies

On successful completion of the course, the students will be able to:

- Install R.
- Import and export data to and from R.
- Distinguish terms as variable, object and their properties.
- Be in a position to plot different types of data.
- Be able to write functions and use the “while” and “for” loops.

Assessment method

The assessment is based on a final project submitted at the end of the semester. A presentation of the project follows at a later stage.

Tutoring courses

Not offered for this course.

Basic textbook

Djoufras, I. and Karlis, D. (2016). **Introduction to Programming and Staistical Analysis using R**, Kallipos (Electronic Textbook), Athens (in Greek).

Supplementary material

Fokianos, K. and Charalambous, Ch. (2010). **Notes in R**, https://cran.r-project.org/doc/contrib/mainfokianoscharalambous.pdf, Athens (in Greek).

Fouskakis, D. (2013). **Data Analysis using R**, Tsotras Publishing, Athens (in Greek).

Course load per semester (in hours)	Lectures	Tutorials	Individual effort	Total
	52	0	88	140

Lectures

Week 1: Introduction

(Chapter 1)

- Description and seminar goals.
- Installation of R.
- Basic operations.
- Libraries.

Week 2: Vectors and operators

(Chapter 2)

- Vectors and operators.
- Simple calculations.
- Commands, numbers, and characters.

Week 3: Data import/export, matrices, and data.frames

- Data import and export.
- Matrices and data.frames.
- Lists.

Week 4: Data visualization

(Chapter 5)

- Plots for continuous data.
- Plots for categorical data.
- Multiple plots in a window.
- Export and store plots.

Week 5: For and while loops

- The for loop.
- The while loop.

Week 6: Writing functions and project assignment

(Chapter 7)

- Writing functions.
- Discussion of the projects.

Week 7: Basic commands for data analysis I

(Chapter 8)

- Comparison of two population means.
- Comparison of 3 or more population means.
- Pearson and Spearman correlations.

Week 8: Basic commands for data analysis II

(Chapter 8)

- Linear regression models.

Week 9: Project report meeting

Week 10: Project report meeting

Week 11: Project report meeting

Week 12: Project report meeting

Week 13: Presentation of the projects

ECONOMIC MODELS OF INNOVATION THEORY - OIK4207

Course Objectives	--
Instructors	Panagopoulos Andreas
Basic textbook	

Course load per semester (in hours)	Lectures	Tutorials	Individual effort	Total
	52	0	90	142

Lectures

EUROPEAN ECONOMIC HISTORY II - OIK4304

Course Objectives	--
Course Web Page	http://www.soc.uoc.gr/moodle/course/index.php?categoryid=7

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
24	0	126	150

Lectures

DEVELOPMENT OF TOURISM DESTINATIONS - OIK4208

Course Objectives

The concept of development refers to activities or processes that bring about positive change in terms of growth, improvement, and progress in three main pillars: society, the economy and the environment. The ultimate goal of development is prosperity, as determined by the rising standard and quality of human life. In the contemporary socio-economic environment, development is often pursued through extensive collaboration between various organizations, companies, and other stakeholders in order to achieve progress towards common goals of sustainable development.
Tourism is one of the main forms of social and economic activity both in Greece and worldwide. The tourism destinations, in which the tourist activity develops, are intensely complex environments and therefore excellent frameworks for the application of theories and the examination of development practices. The development of tourism destinations involves a variety of stakeholders either directly (e.g., airlines, airports, hotels, attractions, etc.) or indirectly (e.g., banks, insurance companies, food establishments, hospitals, public bodies, etc.).
The purpose of this seminar course is for students to study and comprehend the field of development of tourism destinations. The structure of the course consists of four parts. Initially, there will be an introduction to the course and its assessment (i.e., the consultancy project). Next, the course will focus on the study of the broader concept of development, the main approaches and theories that examine it, the nature and dimensions of sustainable development, the relevant regulatory environment, the importance of collaboration between various stakeholders, and the evaluation of sustainable development practices. Then, the above concepts will be examined and applied in the context of tourism destinations. Examples and case studies from Greece and other countries around the world will be examined. After introducing the characteristics and structures of the tourism industry, emphasis will be placed on the relationships of the supply chain and other stakeholders of a tourism destination that co-create tourism products and services (i.e., tourism experiences). The role and implementation of policy, strategic planning, management, and governance of a tourism destination, as well as the evaluation of development practices and programs of sustainable tourism development will be studied. Finally, the teaching of the seminar course will focus on supporting the group consultancy project work that the students will perform. This will include discussing and monitoring the progress of the students' work, as well as providing feedback on student ideas and draft documents.

Instructors

Spyriadis Thanasis

Basic textbook

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
39	13	110	162

Lectures

BUSINESS CONSULTANCY PROJECT - OIK4209

Course Objectives

The aim of this project-based module is to introduce students to business consultancy reports in the tourism field. In collaboration with institutions/companies/individuals in the tourism market in Greece, the aim and objectives of the project are introduced, which need to be addressed using primary and secondary data. Following a review of the literature, a research tool is designed, which is subsequently used for data collection. Applying relevant data analysis techniques, the students provide recommendations/ solutions that are verbally presented. Weekly attendance is mandatory.

Prerequisites

None. Useful to have previously attended Marketing, Economics of Tourism, Marketing with a focus on Tourism.

Learning Outcomes and General Competencies

Upon the successful completion of this module, the student will be able to:

- Apply basic principles and practices of research methods.
- Acknowledge the key steps in research design.
- Critically review the academic literature.
- Select appropriate tools and design projects.
- Present results using the relevant tools.

Additional skills that the students will acquire after the successful completion of the module include:

- Research, analysis and synthesis of data and information retrieved.
- Work in a multi-disciplinary environment.
- Decision-making.
- Group-work.
- Fieldwork

Assessment method

One group report and oral presentation (70% of total grade) and an individual assignment (30% of total grade).

Tutoring courses

Not offered.

Basic textbook

Stylidis, D. (2023). **Instructor\\\\\\\'s notes**, Rethymno.

Course load per semester (in hours)

Lectures	Tutorials	Individual effort	Total
45	0	117	162

Lectures

1st Week: Introduction

- Introduction to the module.
- Information about the project.
- Expression of interest.

2nd Week: Marketing I

- Strategic planning and analysis of environment.
- Project management.

3rd Week: Marketing II

- Consumer behaviour.
- Market segmentation-targeting-positioning.
- Promotion and public relations.

4th – 6th Week: Market Research in Tourism

- Aim and objectives.
- Sampling.
- Research tools.
- Survey design.

7th- 8th Week: Data collection

- Data collection.

9th Week: Data Analysis

- Data analysis using the relevant tools.

10th – 11th Week: Project Progress

- Progress and consultation on reports.

12th – 13th Week: Presentations

- Mock Presentation.
- Final Presentation.
- Discussion.

COMPARATIVE ECONOMIC SYSTEMS II - OIK4305

Instructors	Milonakis Dimitris

Course load per semester (in hours)	Lectures	Tutorials	Individual effort	Total
	0	0	0	0