



Dept of Economics
UNIVERSITY OF CRETE

SYLLABI OF SEMINAR COURSES

ACADEMIC YEAR
2026/2027

Rethymno, 27 September 2026

SPECIAL TOPICS IN ECONOMETRICS - ΟΙΚ4101

<i>Instructors</i>	Tsiotas Georgios			
<i>Course webpage</i>	http://econservices.soc.uoc.gr/econ_classes/enrol/index.php?id=42			
<i>Primary textbook</i>	Τσιώτας, Γ. (2016). Σημειώσεις στα Ειδικά Θέματα Οικονομετρίας , Ρέθυμνο.			
<i>Supplementary material</i>	Δημέλη, Σ. (2013). Σύγχρονες Μέθοδοι Ανάλυσης Χρονολογικών Σειρών , Εκδόσεις Ο.Π.Α., Αθήνα.			
	Πετρόπουλος, Φ. and Ασημακόπουλος, Β. (2011). Επιχειρησιακές Προβλέψεις , Εκδόσεις Συμμετρία, Αθήνα.			
	Jarrett, J. (1993). Μέθοδοι Πρόβλεψης , Εκδόσεις Gutenberg, Αθήνα.			
<i>Workload (in hours)</i>	Lectures	Tutorials	Individual study	Total
	39	0	111	150
<i>Lectures</i>	Week 1:			
	Week 2:			
	Week 3:			
	Week 4:			
	Week 5:			
	Week 6:			
	Week 7:			
	Week 8:			
	Week 9:			
	Week 10:			

Week 11:

Week 12:

Week 13:

SPECIAL TOPICS IN INDUSTRIAL ORGANISATION - OIK4201

Course objectives

The main purpose of this seminar course is to give students the opportunity to deepen their understanding of issues in Industrial Organization, and more specifically in Competition Policy. The seminar is conducted over thirteen (13) weeks of meetings. Attendance at the meetings is mandatory. Students are divided into groups. Each group is assigned to present a case study, preferably drawn from the Greek or European context, as well as the relevant theoretical framework in the field of Competition Policy to which the case study belongs.

Instructors

Lioukas Konstantinos

Course webpage

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

Prerequisites

Sufficient knowledge of Microeconomic Theory (as in OIK1005, OIK2002), and Industrial Organization (as in OIK3201).

Learning outcomes and general competencies

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

- Develop a thorough understanding of the necessity and usefulness of Competition Policy at both national and European levels for improving market functioning and increasing social welfare.
- Collect information from bibliographic sources and the internet for a case study related to the above topics.
- Study and analyze the specific case study.
- Present the conclusions of this case study to an audience in a critical manner.
- Prepare a paper in which the case study and the conclusions drawn from it are presented in detail and critically analyzed.
- Understand and provide written and oral critical feedback on classmates' presentations.

The general skills that the student will acquire upon completion of the seminar are:

- Independent critical thinking.
 - Collection of data for a case study.
 - Critical presentation of a case study.
 - Writing of a group assignment/project.
 - Providing commentary on presentations by other speakers.
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Assessment

Written assignment: The assignment will concern a case study, preferably from the Greek or European context, which has recently been examined by the relevant national or European Competition Commission. The written assignment submitted at the end of the semester should include the following sections:

1. The first part of the assignment will briefly develop the theoretical framework within which the specific case study falls.
2. The second part will provide information on all parties involved and will present the decision, as well as the reasoning behind it, of the Competition Commission.
3. The third part will contain a critical analysis of this decision based on economic theory, as well as an ex post evaluation of the correctness of the decision.

4. Students must propose a specific topic for their assignment no later than the third meeting. Topics that have been analyzed during the previous two years are not permitted. More information regarding the structure of the assignment will be posted on the course website.

Indicative Assignments from Previous Years:

- The merger of Aegean Airlines and Olympic Air.
- The acquisition of Skype by Microsoft.
- Abuse of dominant position and monopoly power by Google.
- Air France–KLM: A multidimensional merger.
- Study of the acquisition–merger between National Bank of Greece and Eurobank.

Oral Examination: The PowerPoint presentations of the assignments take place during the final two or three weeks, with each group being allocated 30 minutes for the presentation plus an additional 10 minutes for questions/comments from the audience. The PowerPoint presentations are uploaded to the appropriately configured online course space on Moodle at least ten days before the live presentation. Each group must study the PowerPoint presentations of the other groups and prepare comments/observations before the day of the live presentation. These comments are uploaded to the course website after being appropriately revised in light of the presentations of the other groups. Following the presentation, each group, after taking into account the comments, observations, and suggestions regarding its topic, appropriately revises the final text of the assignment and uploads it to the course website no later than the end of the examination period.

The final course grade is based on:

- 50% on the final written version of the assignment,
- 30% on the PowerPoint presentation,
- 20% on the written and oral comments made by the group on the assignments of the other groups.

Assessment is based on the extent to which the student demonstrates knowledge of the assigned case study, the ability to present it to an audience, the ability to write the final version of the assignment, and finally, the ability to understand and comment on the presentations of fellow students.

<i>Tutorial sessions</i>	There are no tutorials for this course.			
<i>Primary textbook</i>	Motta, M. (2004). Competition Policy. Theory and Practice , Cambridge University Press,			
<i>Supplementary material</i>	Belleflamme, P. and Peitz, M. (2009). Industrial Organization: Markets and Strategies , Cambridge University Press,			
<i>Workload (in hours)</i>	Lectures 39	Tutorials 0	Individual study 111	Total 150
<i>Lectures</i>	Weeks 1-2: • General reference to related theoretical issues in Industrial Organization and Policy, and in particular to the theory and objectives of Competition Policy.			

- Indicative topic areas are presented so that students can choose the subjects they will propose at the next meeting.
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Week 3:

- Final selection of the groups and the topics assigned to each group.
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Week 4:

- First brief presentation of the topics assigned to each group, so that all groups are informed about the topics of the other groups. These initial presentations may be delivered either orally or with the use of PowerPoint.
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Weeks 5-7:

- Discussion of the progress of the group projects and interaction among the groups in order to identify and analyze issues of common interest.
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8th Week:

- Second, more detailed presentation of the groups' topics. It is recommended that these presentations be delivered using PowerPoint.
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Weeks 9-10:

- Further discussions regarding the progress and improvement of the group projects.
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Weeks 11-13:

- Final presentation of the projects, which must be delivered using PowerPoint.
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ECONOMIC GROWTH II - OIK4106

Instructors	Kalaitzidakis Pantelis			
Workload (in hours)	Lectures 39	Tutorials 0	Individual study 111	Total 150
Lectures	Week 1:			
	Week 2:			
	Week 3:			
	Week 4:			
	Week 5:			
	Week 6:			
	Week 7:			
	Week 8:			
	Week 9:			
	Week 10:			
	Week 11:			
	Week 12:			
	Week 13:			

SPECIAL TOPICS IN ECONOMIC THEORY - OIK4301

Instructors Milonakis Dimitris

Course webpage http://econservices.soc.uoc.gr/econ_classes/enrol/index.php?id=56

<i>Workload (in hours)</i>	Lectures	Tutorials	Individual study	Total
	39	0	111	150

Lectures

Week 1:

Week 2:

Week 3:

Week 4:

Week 5:

Week 6:

Week 7:

Weeks 8-13:

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 LINESURVEY 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 webpage

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

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.

Tutorial sessions

Not offered.

Primary textbook

Δράκος, Π. (2016). **Σημειώσεις στους Ηλεκτρονικούς Υπολογιστές III**, Ρέθυμνο.

(2016). **Gretl: Gnu Regression, Econometrics and Time-series Library**, <http://gretl.sourceforge.net/win32/>,

(2016). **LimeSurvey: Advanced Online Survey System**, http://manual.limesurvey.org/wiki/LimeSurvey_Manual/el,

Supplementary material

Kleiber, C. and Zeileis, A. (2008). **Applied Econometrics with R**, Springer,

Γναρδέλλης, Χ. (2013). **Ανάλυση Δεδομένων με το IBM SPSS Statistics 21**, Εκδόσεις Παπαζήση, Αθήνα.

Δριτσάκη, Μ.Ν. και Δριτσάκη, Χ.Ν. (2013). **Εισαγωγή στην Οικονομετρία**, Εκδόσεις Κλειδάριθμος, Αθήνα.

Συριόπουλος, Κ. and Φίλιππας, Δ.Φ. (2010). **Οικονομετρικά Υποδείγματα και Εφαρμογές με το Eviews**, Εκδόσεις Ε. & Δ. Ανίκουλα-Ι.Αλεξίκος ΟΕ, Θεσσαλονίκη.

Workload

(in hours)

Lectures

47

Tutorials

30

Individual study

83

Total

160

Lectures

Week1: 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.

Week 2: 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.

Week 3: Econometric software for Advanced users II

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

Week 4: 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

Week 5: PANEL Data - Discussion on the Progress of Work

- Import and transform data.

Week 6: 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.

Week 7: 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.

Week 8: Multivariate Analysis of Questionnaire Results

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

Week 9: Presentation of open and commercial PRESENTATION software.

Week 10:

Week 11:

Week 12:

Week 13:

DATA COLLECTION, MANAGEMENT AND ANALYSIS - OIK4203

Course objectives

This seminar course introduces students to the process of designing and conducting primary research, with emphasis on the collection, management, analysis and interpretation of data that capture opinions, attitudes, trends and preferences. Particular emphasis is placed on the proper formulation of the research problem, the selection of appropriate data collection and sampling methods, ensuring data quality, and transforming results into evidence-based findings useful for decision-making. Artificial Intelligence (AI) is used as a supporting tool for data management, exploration and analysis, as well as for the production and communication of results, with well-justified choices and critical validation of the conclusions generated. In the framework of the seminar, students initially attend lectures providing theoretical and methodological training. A role-playing exercise then follows, in which they act as members of a professional research team that, under the guidance of a supervisor, is assigned to produce a comprehensive outcome for a stakeholder (institution or company). All students jointly participate in the design and conduct of primary research as a laboratory exercise, from which a common set of primary data is produced. At the final stage, each student independently undertakes the management and analysis of the data, interpretation of the findings, preparation of a technical report, and creation of a concise professional presentation for the stakeholder. The use of AI tools at this final stage is mandatory, but does not replace methodological justification, validation of the results, or the student's responsibility for the conclusions presented.

Instructors

Pigounakis Kostis

Course webpage

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

Prerequisites

Students are expected to be familiar with the basic concepts covered in the Mathematics, Statistics and Computer courses taught in the Department. Proficiency in office applications and basic data management and analysis tools is also required. Prior experience with AI tools is desirable, but does not constitute a separate academic prerequisite.

Learning outcomes and general competencies

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

- identify the stakeholder's requirements and translate them into clear research objectives and questions,
- define the research problem and the information required for decision-making,
- select an appropriate type of research and data collection methodology,
- design the data collection process, research instrument and sampling plan,
- organise and participate in primary data collection while monitoring data quality and consistency,
- prepare, manage and explore data, making appropriate use of AI tools where useful,
- analyse the results, critically assess AI-supported analyses and draw evidence-based conclusions,
- prepare a professional technical report that integrates the methodology, findings, conclusions and recommendations to the stakeholder, and
- present the key findings and recommendations clearly and concisely, with appropriate and well-documented use of AI tools.

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

- Search, analysis and synthesis of data and information using appropriate tools and technologies.
- Adapting to new situations and evaluating new technological tools.
- Data-driven decision-making based on evidence.
- Teamwork and professional collaboration.
- Autonomous work, critical thinking and responsible use of AI tools.

Assessment

The assessment is based on two equally weighted components, each contributing equally to the final grade. The first concerns, on the one hand, understanding of the theoretical and methodological material, assessed through multiple-choice questions for each lecture, and, on the other hand, meaningful participation in the preparation and conduct of the primary research as a laboratory exercise. Assessment of the individual activities within the first component is dichotomous (pass/fail). The second component evaluates the ability to produce results that are useful to the stakeholder. It includes the preparation of a technical report documenting the research process, data management and analysis, key findings, conclusions and recommendations, as well as the creation of a concise presentation of the most important results. Assessment is based on the quality, correctness, substantiation, clarity and usefulness of the deliverables relative to the standard expected of a professional in the field. The use of AI is assessed in terms of its appropriateness, transparency and the critical validation of its outputs, rather than as an end in itself.

Tutorial sessions

There are no tutorials for this course.

Supplementary material

Σιώμκος, Γ.Ι. και Μαύρος, Δ.Α. (2024). **Έρευνα και Μετρικές Μάρκετινγκ, 2η έκδοση**, Εκδόσεις Κλειδάριθμος, Αθήνα.

Σιώμκος, Γ. Ι. (2024). **Συμπεριφορά Καταναλωτή, 6η έκδοση**, Εκδόσεις Κλειδάριθμος, Αθήνα.

Βασιλειάδης, Χ. Α., Γιοβάνης, Α. Ν., Καμενίδου, Ε. Χ., Καραγιάννη, Δ. Α., Μάμαλης, Σ. Α., Μπουτσούκη, Χ., Σαλαμούρα, Μ. Α., Σιώμκος, Γ. Ι. and Φωτιάδης, Θ. Α. (2024). **Μάρκετινγκ: Από τις Βασικές Αρχές στις Σύγχρονες Προκλήσεις**, Εκδόσεις Κλειδάριθμος, Αθήνα.

Russell, S. and Norvig, P. (2021). **Τεχνητή Νοημοσύνη: Μια Σύγχρονη Προσέγγιση, 4η αμερικανική έκδοση**, Εκδόσεις Κλειδάριθμος, Αθήνα.

Workload (in hours)

Lectures	Tutorials	Individual study	Total
47	0	103	150

Lectures

Week 1: Introduction - Data and Decision-Making - Qualitative and Quantitative Research

Week 2: Research Process - Problem Definition and Objectives - Research Design and Types - Sources of Error and Reasons for Failure

Week 3: Data Collection Design - Variables, Measurement Scales and Research Instrument Design

Week 4: Data Collection Methods - Population and Sample - Sample Selection and Sampling

Week 5: Qualitative Research - Basic Methods, Applications and Evaluation of Findings

Week 6: Analysis Tools - Well-Justified Use of AI - Preparation of Technical Report - Presentation of Results

Week 7: LAB - Research Preparation - Pilot Testing and Familiarisation with Equipment and Data Collection Procedures

Weeks 8-9: LAB - Conducting Primary Research and Quality Control of Collected Data

Weeks 10-12: Management and Analysis of Results with AI Support - Validation and Interpretation of Findings - Preparation of Technical Report - Creation of Presentation

Week 13: Submission of Technical Report and Presentation of Results

MONETARY THEORY II - OIK4102

<i>Course objectives</i>	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 an empirical research (employing econometric techniques), a case study or a literature review.			
<i>Instructors</i>	Giannellis Nikolaos			
<i>Course webpage</i>	https://econservices.soc.uoc.gr/econ_classes/enrol/index.php?id=49			
<i>Prerequisites</i>	Sufficient knowledge of (1) Macroeconomics and (2) Monetary Theory I is required (courses OIK1002, OIK2001, OIK3109). In case of an empirical research, students should be familiar with econometric techniques.			
<i>Learning outcomes and general competencies</i>	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.			
<i>Assessment</i>	The assessment is based on students' participation and progress throughout the semester (30%), a PowerPoint presentation (50%), and a written paper (20%) submitted at the end of the semester.			
<i>Tutorial sessions</i>	There are no tutorilas for this course.			
<i>Workload (in hours)</i>	Lectures	Tutorials	Individual study	Total
	39	0	111	150
<i>Lectures</i>	Week 1: Main Topic, Objectives and Requirements • Brief presentation of the topics • The objectives of the course • Requirements and assessment • Application forms (students) Week 2: The working team of the course • The members of the working team are selected • Detailed presentation of the topics (instructor) • Topic pre-selection (students) Week 3: Topic selection			

- Students make the final selection of the topic
 - Structure plan and basic contents of the paper (presented by the instructor)
 - Stages of research (presented by the instructor)
 - Instructions and directions on searching in the literature (presented by the instructor)
-

Week 4: Writing instructions

- How to write a paper
 - How to use the references
 - How to cite the sources
 - How to avoid plagiarism
-

Week 5: First Presentation

- The plan of the paper is presented in the class (students)
 - Progress check (by the instructor)
-

Week 6: Preparing the PowerPoint Presentation

- Instructions
 - Progress check
 - Questions and Answers
-

Weeks 7-9: Writing the paper

- Instructions
 - Progress check
 - Questions and Answers
-

Weeks 10-13: Presentations

- Students present their work
 - Discussion
 - Suggestions (by the instructor)
-

INTRODUCTION TO PROGRAMMING USING R - OIK4502

<i>Course objectives</i>	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.			
<i>Instructors</i>	Tsagris Michail			
<i>Course webpage</i>	https://econservices.soc.uoc.gr/econ_classes/course/view.php?id=123			
<i>Prerequisites</i>	Sufficient knowledge of Statistics I (ECO1003) and II (ECO1006), Econometrics I (ECO2003) and II (2006), Computers for Economics I (ECO1501) and II (ECO2501).			
<i>Learning outcomes and general competencies</i>	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.			
<i>Assessment</i>	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.			
<i>Tutorial sessions</i>	Not offered for this course.			
<i>Primary textbook</i>	Djoufras, I. and Karlis, D. (2016). Introduction to Programming and Staistical Analysis using R , Kallipos (Electronic Textbook), Athens (in Greek).			
<i>Supplementary material</i>	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).			
<i>Workload (in hours)</i>	Lectures	Tutorials	Individual study	Total
	52	0	88	140
<i>Lectures</i>	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

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

Course webpage

https://econservices.soc.uoc.gr/econ_classes/course/view.php?id=374

Primary textbook

Workload (in hours)

Lectures	Tutorials	Individual study	Total
26	13	111	150

Lectures

COMPARATIVE ECONOMIC SYSTEMS II - OIK4305

Instructors	Milonakis Dimitris			
Workload (in hours)	Lectures 39	Tutorials 0	Individual study 111	Total 150
Lectures	Week 1:			
	Week 2:			
	Week 3:			
	Week 4:			
	Week 5:			
	Week 6:			
	Week 7:			
	Week 8:			
	Week 9:			
	Week 10:			
	Week 11:			
	Week 12:			
	Week 13:			

EXPERIMENTAL ECONOMICS - OIK4109

Course objectives

This course introduces students to the foundations of experimental economics and its role in testing the behavioural assumptions underlying neoclassical economic theory. In this course, we adopt an experimental approach to examine core theoretical predictions under controlled, causal conditions.

The course has two parts. In the first part (Weeks 1–6), lectures develop the methodology of the discipline and the main theoretical models that experiments have been used to test, while parallel laboratory sessions build the practical skills — experimental software and statistical analysis — needed for the second part. In the second part (Weeks 7–13), students work in groups of two to three on a project of their own design, meeting regularly with the instructor for structured supervision and presenting their work to the class at the end of the semester.

Instructors

Kopsacheilis Orestis

Course webpage

https://econservices.soc.uoc.gr/econ_classes/course/view.php?id=577

Prerequisites

The course is taught in English, but students are not expected to arrive fluent. Key concepts and technical terms are explained in Greek whenever this is helpful, and course material is made available on EconClass in both Greek and English. Groups may deliver their final presentation in either language. Command of English is not a criterion of assessment at any point in the course. Beyond that, knowledge of the basic microeconomic models taught in Microeconomic Theory I (OIK1005) and II (OIK2002), and in particular of models of consumer behaviour and of the elements of game theory, considerably facilitates following the course, as does familiarity with introductory statistics. The necessary theoretical tools are revisited in the relevant lectures, and the statistical methods and experimental software required for the group project are taught from the beginning in the laboratory sessions, so that the course is self-contained.

Students are encouraged to take Behavioural Economics (OIK3118), which is highly complementary to this course: it presents the models and the empirical findings, while this course concentrates on how such evidence is produced and evaluated. It is not a requirement, and the two courses may be taken in either order.

Learning outcomes and general competencies

Upon successful completion of this course, students will be able to:

- Understand and apply the core methodology of experimental economics, including the design of controlled laboratory experiments.
- Formulate research questions and design appropriate experiments (including treatment structures and subject instructions).
- Collect, analyse and interpret experimental data using standard statistical and econometric techniques.
- Discuss the main findings of experimental research in Industrial Organisation, Labour Economics, Behavioral Economics, and Field Experiments.
- Explain the differences between laboratory and field experiments and assess the strengths and limitations of each approach.
- Present and defend experimental results orally and in written form, adhering to academic standards. Critically evaluate published experimental studies and connect them to broader economic theory.

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

- Search, analysis and synthesis of data and information, with the use of the necessary technology
- Decision-making
- Working independently and in teams (group experiment design and paper writing)
- Working in an interdisciplinary environment (mainly economics and psychology)
- Production of new research ideas
- Team work
- Criticism and self-criticism
- Production of free, creative and inductive thinking
- Project planning and management

Assessment

The final grade is determined entirely by a group project (groups formed in Week 7), which consists of two interconnected components:

1. Project work (Weeks 7–11). Each group develops a project on a topic drawn from the lecture phase, taking one of the forms described in the syllabus and agreed with the instructor in Week 7. Where a project involves running an experiment or survey, it must be implemented using the tools introduced during the course (Qualtrics, Classex, oTree, z-Tree or equivalent platforms demonstrated in class). Progress is monitored through four structured Progress Meetings (Weeks 8–11), allowing the instructor to provide iterative feedback and to ensure academic integrity.

2. Presentation slides and oral presentation (Weeks 12–13) – 100% of the final grade. Each group submits their final slide deck and delivers an approximately 20-minute oral presentation covering:

- the research question and its theoretical motivation;
- the experimental design and treatment structure;
- the hypotheses derived from theory;
- where applicable, the data collection procedure and sample description;
- where applicable, the results and their statistical analysis;
- discussion and conclusions.

Slides are assessed on: (a) the scientific rigour of the experimental design, (b) the correctness and depth of the analysis or argument, (c) the quality and clarity of the visual presentation, and (d) the coherence between the theoretical framework, the hypotheses tested and the conclusions drawn. The Q&A following each presentation is also taken into account. In principle all group members receive the same grade; the instructor may differentiate in cases of demonstrably unequal contribution, as evidenced by the progress meeting records.

Tutorial sessions

During the semester, there will be laboratory/tutorial sessions totaling 18 hours.

Primary textbook

Holt, C. A. (2019). **Markets, Games, and Strategic Behavior: An Introduction to Experimental Economics, 2nd edition**, Princeton University Press, Princeton and Oxford.

Workload (in hours)

Lectures	Tutorials	Individual study	Total
21	18	111	150

Lectures

Week 1: Methodology and Foundations of Experimental Economics

- History and development of the field.
 - Induced value theory and the requirements for experimental control.
 - Failures of control: homegrown values, context, deception, experimenter demand effects.
 - Treatment structure and experimental design; between-subjects versus within-subjects.
 - Laboratory versus field experiments.
 - What counts as an independent observation.
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Week 2: Decisions under Uncertainty

- The expected utility baseline: risk aversion and utility curvature.
 - Eliciting risk preferences; incentives, payoff scale and hypothetical bias.
 - Evidence against expected utility: the Allais paradox, the endowment effect, status quo bias.
 - Prospect Theory: reference dependence, loss aversion, probability weighting.
 - The fourfold pattern of risk attitudes.
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Week 3: Nash Equilibrium and Coordination Games

- Games, payoff matrices and dominant strategies; the prisoner's dilemma.
 - Nash equilibrium and best responses.
 - Coordination games and multiple equilibria; payoff dominance versus risk dominance.
 - Focal points and salience as equilibrium selection devices.
 - Weak-link (minimum-effort) games and group size effects.
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Week 4: Bargaining and Fairness

- The ultimatum game: theoretical prediction and experimental findings.
 - The dictator game; separating other-regarding motives from strategic ones.
 - Procedural variation as treatment: anonymity, instruction wording, earned versus gifted endowments.
 - Trust, intentions and reciprocity.
 - What bargaining experiments show about the limits of self-interest.
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Week 5: Social Dilemmas, Cooperation and Social Preferences

- Public goods and common-pool resources; the free-rider problem.
 - The voluntary contributions mechanism; contribution levels and their decay over repeated rounds.
 - Conditional cooperation and the heterogeneity of behavioural types.
 - Costly punishment, norm enforcement and the second-order dilemma.
 - Models of social preferences: inequity aversion (Fehr–Schmidt), envy and guilt.
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Week 6: Limited Strategic Thinking

- Why one-shot games require a model of reasoning rather than of equilibrium.
 - The p-beauty contest and level-k reasoning.
 - Cognitive hierarchy models.
 - The effect of repetition and learning.
 - Applications and limitations.
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Laboratory and tutorial sessions (Weeks 1–6, parallel track)

- Experimental software: Qualtrics, Classex, oTree, z-Tree.
 - Writing and piloting subject instructions.
 - Basic principles of hypothesis testing.
 - Non-parametric tests appropriate to experimental data.
 - Data handling, analysis and presentation of results in R.
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Week 7: Assignment Briefing Session

- Presentation of the group assignment structure. Each group selects a topic from those covered in Weeks 1–6 and agrees the form its project will take.
 - Projects need not all take the same form. Examples include: designing and running an experiment or survey and analysing the data collected; replicating or re-analysing a published experimental study; developing a complete experimental protocol — design, treatments, instructions, hypotheses and planned analysis — without running it; or taking a recent paper, policy question or observed phenomenon and proposing an experimental design capable of investigating it.
 - Guidelines for design, analysis and preparation of presentation slides are discussed. Groups formalise their composition and topic choice.
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Week 8: Progress Meeting I

- Groups present their research question and proposed approach. Instructor feedback on the motivation for the question, the appropriateness of the design and the treatment structure.
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Week 9: Progress Meeting II

- Groups report on progress. For projects involving data collection, discussion of the fieldwork and preliminary descriptive results; for design- and literature-based projects, discussion of the developing protocol or argument.
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Week 10: Progress Meeting III

- Groups present preliminary results or a complete draft design. Feedback on the analytical approach, the figures and the connection to the theoretical framework.
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Week 11: Progress Meeting IV

- Groups present near-final presentation slides. Detailed feedback on structure, clarity of argument, quality of visual presentation, and the link between theory and conclusions.
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Weeks 12-13: Project Presentations

- Groups present their project to the full class. Each presentation (~20 minutes) covers: research question, design and treatment structure, hypotheses, results or planned analysis, and conclusions. Q&A with instructor and peers follows each presentation.
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