

COURSE LAYOUT

1. GENERAL

SCHOOL	APPLIED ECONOMIC AND SOCIAL SCIENCES		
DEPARTMENT	AGRICULTURAL ECONOMICS & RURAL DEVELOPMENT		
STUDY LEVEL	<i>Undergraduate</i>		
COURSE CODE	274	SEMESTER	9
COURSE TITLE	ECONOMETRICS II		
TEACHING STAFF	CHRYSOVALANTIS MALESIOS		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	ECTS
Lectures		5	5
COURSE TYPE	Scientific Area, Development of skills		
PREREQUISITES:	Microeconomic theory I, Macroeconomic Theory I, Econometrics		
LANGUAGE	Greek		
IS THE COURSE OFFERED for ERASMUS STUDENTS?	No		
COURSE WEB PAGE	http://openeclass.aua.gr/		

2. LEARNING OUTCOMES

Learning Outcomes

This course is a continuation of the Econometrics course where the theory extends to non-linear econometric models, dynamic econometric models, models of simultaneous equations and time series econometrics.

The aim of the course is students to acquire econometric analysis skills that will assist to answer questions posed by microeconomics and macroeconomics.

Upon successful completion of the course the student will be able to:

- Understand that different econometric models depend on the nature of the dependent variable and the type of data and when it is appropriate to use each of the models
- Have knowledge regarding basic econometric analysis of microeconomic and macroeconomic data
- Be able to interpret results and respond through econometric analysis to key issues raised by microeconomics and macroeconomics

The applications of these econometric methods are expected to:

- improve the student's perception of theoretical issues as well as their judgment for problem solving especially in the rural economy.
- are able to communicate information, results and solutions based on the application of appropriate econometric methods to both specialized and non-specialized audiences.
- In addition, to acquire valuable infrastructure knowledge in econometrics that will undoubtedly be needed by those who decide to continue with postgraduate / doctoral studies and research.

General Competences
<ul style="list-style-type: none"> • Search, analysis and synthesis of data and information • Autonomous Work • Decision making • Exercise criticism and self-criticism • Promoting free, creative and inductive thinking

3. COURSE CONTENT

<ul style="list-style-type: none"> i. Non-linear regression modeling ii. Qualitative variables and regression analysis iii. Panel data time series regression models iv. Dynamic econometric models <ul style="list-style-type: none"> a. Autoregressive models b. Distributed lags models v. Simultaneous equations models vi. Identification problem <ul style="list-style-type: none"> a. Simultaneous equations methods vii. Time series econometrics

4. TEACHING and LEARNING METHODS - Evaluation

TEACHING METHOD	In class	
USE OF INFORMATICS and COMMUNICATION TECHNOLOGIES	<ul style="list-style-type: none"> • Learning process support through the electronic platform e-class • Presentation of the course with Power-Point slides 	
TEACHING ORGANISATION	Activity	Work Load
	Lectures	65
	Independent study	27
	Homework	33
	Course total (25 hours of student work load per ECTS)	125
STUDENTS EVALUATION	Written final exams (100%)	

5. BIBLIOGRAPHY

Suggested bibliography:
<ul style="list-style-type: none"> - Studenmund (2016) Οικονομετρία, Πρακτικός οδηγός χρήσης. Broken Hill Publishers. Λευκωσία, Κύπρος - Woolridge, J. (2011). Εισαγωγή στην Οικονομετρία. Εκδόσεις Παπαζήσης, Αθήνα
Relative scientific journals:
<ul style="list-style-type: none"> - Journal of Econometrics

