COURSE OUTLINE

(1) GENERAL

SCHOOL	Economic Sciences		
ACADEMIC UNIT	Department of Accounting and Finance		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	AF605	**SEMESTER**	Sixth
COURSE TITLE	Econometrics II		

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	**WEEKLY TEACHING HOURS**	**CREDITS**
Lectures and laboratory exercises	3	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	Scientific field
PREREQUISITE COURSES:	Mathematics and Statistics
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	https://eclass.uowm.gr/courses/ACCFIN155/ (Note: students must register in the university's online platform, Eclass)

(2) LEARNING OUTCOMES

Learning outcomes   *The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.*   *Consult Appendix A*   • *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*   • *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*   • *Guidelines for writing Learning Outcomes*
The course covers the basic elements of econometric theory and practice. The goal is to equip students so they can (a) follow the modern technical bibliography and (b) to be ready to undertake practical econometric examples. During the course we will examine applications of econometrics in both Macroeconomics and Empirical Finance.   Upon successful completion of the module the students will be able to: • Describe modern econometric methodologies and be able to explain them   • Identify complex co dependence in the process of decision making in economics and employing econometric techniques for forecasting.   • Identify the limits of the methodologies and apply them with economics data.

Autonomous work
Production of new research ideas
Decision-aking
Team work
Promotion of free, creative and inductive thinking

(3) SYLLABUS

Multicollinearity
1.1 Introduction 1.2 Forms of multicollinearity 1.3 Consequences of full and partial multicollinearity 1.4 Detecting multicollinearity 1.5 Estimation techniques for models with multicollinearity 1.6 Exercises using EViews

Autocorrelation
2.1 Introduction 2.2 When the problem of autocorrelation appears 2.3 Forms of autocorrelation 2.4 Properties of first order autocorrelation AR(1) 2.5 Consequences of autocorrelation 2.6 Detecting autocorrelation 2.7 Model estimation when autocorrelation exists 2.8 Exercises using EViews

Heteroscedasticity
3.1 Introduction 3.2 Consequences of heteroscedasticity 3.3 Detecting heteroscedasticity 3.4 Model estimation when heteroscedasticity exists 3.5 Exercises using EViews Specification Errors and

Specification Errors and Model Selection
4.1 Introduction 4.2 Selection of econometric model 4.3 Consequences of specification errors 4.4 Test detection of specification errors 4.5 Estimation methods of the model with specification error

Dummy Variables

Logit/Probit Models

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	Face to face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	Support the learning process using the Eclass online platform Laboratory education using econometric software EViews

TEACHING METHODS

The manner and methods of teaching are described in detail.
Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.

The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS

Activity	Semester workload
Lectures and laboratory practice	39 hours
Individual and semi guided study	111 hours
Course total	*150 hours*

STUDENT PERFORMANCE EVALUATION

Description of the evaluation procedure

Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other

Specifically-defined evaluation criteria are given, and if and where they are accessible to students.

Mid term Exam   30%
Final Exams (short answer questions, multiple choice questions, problem solving) 70%

(5) SUGGESTED BIBLIOGRAPHY

Δριτσάκης Ν., Δριτσάκη Χ. και Δριτσάκη Μ. (2021) Ειδικά Θέματα Οικονομετρίας, Εκδόσεις Κλειδάριθμος, Αθήνα

Δημέλη Σ. (2013) Σύγχρονες Μέθοδοι Ανάλυσης Χρονολογικών Σειρών, Εκδόσεις ΟΠΑ, Αθήνα

Χάλκος, Γ. (2011) Οικονομετρία, Εκδόσεις Gutenberg, Αθήνα

Χρήστου, Κ.Γ. (2002). Εισαγωγή στην Οικονομετρία. Εκδόσεις Gutenberg, Αθήνα

Gujarati D. N. (2003). Basic Econometrics, New York, McGraw-Hill.

Maddala G.S. (1992). Introductory Econometrics, New Jersey, Prentice-Hall.

Wooldridge, J. (2003) Εισαγωγή στην Οικονομετρία, Τόμος Α' και Β', Εκδόσεις Παπαζήση, Αθήνα