UNIVERSITY of NICOSIA

Course Syllabus

Course Code	Course Title	ECTS Credits
ECON-496	Applied Econometrics	6
Prerequisites	**Department**	**Semester**
ECON-261, ECON-262, MATH-220	Accounting, Economics and Finance	Fall/Spring
Type of Course	**Field**	**Language of Instruction**
Elective	Finance/Finance	English
Level of Course	**Lecturer(s)**	**Year of Study**
1st Cycle	Dr. Svetlana Sapuric	3rd or 4th
Mode of Delivery	**Work Placement**	**Corequisites**
Face to Face	N/A	None

Course Objectives:

The main objectives of the course are to:

- Give students experience of using statistical methods important in economics and other business subjects, and to build skill and confidence in the use of those methods.
- Provide skills in regression essential for understanding much of the literature of economics, finance, and empirical studies in other areas of business.
- Introduce the nature of empirical studies in economics and business.
- Examine the simple regression and multiple regression models in depth and in a range of applications. Careful attention is given to the interpretations of regression results and hypothesis testing. These methods are important tools in production, marketing, finance, engineering, and economics.

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Use regression models in different applications.
2. Critically examine reported regression results in empirical research in economics and other business studies.
3. Identify and deal with a number of statistical problems in the analysis of time series and cross-section data.
4. Defend the results of their analysis in an appropriate form to all interested parties.

Course Content:

1. An Overview of Applied Econometrics.
2. Descriptive Statistics.
3. Statistical Principles.
4. The Classical Model.
5. CLRM Assumptions.
6. Learning to Use Regression Analysis.
7. Hypothesis Testing.
8. Violation of Assumptions.
9. R-Squared.
10. Multiple Regression.
11. Multicollinearity.

Learning Activities and Teaching Methods:

Faculty Lectures, Weekly In-Class Exercises, Case Study Analyses, Academic Paper Discussion, Student Presentations.

Assessment Methods:

Case Study Assignment, Mid-Term, Final Examination

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Lecture Notes/Material	Sapuric, Svetlana	University of Nicosia	2018	
Introduction to Econometrics	James H. Stock and Mark W. Watson	Pearson	2015	978-0133486872

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Investments	Bodie, Z., Kane, A. and Marcus, A.	McGraw Hill	2014	9780077161149

Introductory Econometrics	Brooks, C.	McGraw Hill	2014	9781107661455