

Course unit code	
Course unit title	Econometrics

GENERAL INFORMATION			
Study program	Undergraduate study program: Economics		Year 3.
Director of the course and assistant	Associate professor, Alen Belullo, Ph.D. E-mail: abelul@efpu.hr		
Course status	X	Mandatory	Elective
Credits allocated and type of lectures			
		Winter semester	Summer semester
ECTS students workload			6
Number of hours per semester			60

Course objectives, teaching and learning methods and learning outcomes

- To develop an understanding of the use of regression analysis and related techniques for quantifying economic relationships and testing economic theories.
- To equip students to read and evaluate empirical papers in professional journals.
- To provide students with practical experience of using mainstream regression programs to fit economic models

Requirements, correspondence and correlativity

Basic knowledge in calculus is required.

The Course is partially or full comparable with the courses:

1. Econometria (Corso di laurea in economia dei mercati internazionali e delle nuove tecnologie, Bocconi, Milano, Italia)
2. Introduction to econometrics (London School of Economics, UK)

Course content (list of topics)

- The Nature of Regression Analysis
- Two Variable Regression Model
- Classical Normal Linear Regression Model
- Interval Estimation and Hypothesis Testing
- Multiple Regression Analysis
- Regression on Dummy variables
- Multicollinearity
- Heteroscedasticity
- Autocorrelation

Modes of instruction and acquiring knowledge (mark in bold)

Lectures	Seminars and workshops	Exercises	Individual tasks	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

Student requirements

Students have to participate actively to the lectures and exercises.

Assessment and evaluation of students (mark in bold)

Attendance	Class participation	Seminar paper	Experimental work
Written exam	Oral exam	Essay	Research
Project	Continuous assessment	Report	Practical work

Assessment breakdown within the *European credit transfer system*

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class attendance and participation	60		5%	5%
Written test	15		30%	30%
Oral test	15		30%	30%
Exercises	15		15%	15%
Individual research	15		20%	20%

According to the *Code of evaluation* the final grade is obtained as follows:

A = 90 – 100%	5 (excellent)
B = 80 – 89,9%	4 (very good)
C = 70 – 79,9%	3 (good)
D = 50 – 69,9%	2 (sufficient)

Bibliography**Mandatory bibliography**

Gujarati, D., *Basic Econometrics*, McGraw-Hill Higher Ed., 4th edition, 2002.

Wooldridge, J., *Introductory Econometrics: A Modern Approach*, South-Western, Fifth Edition, 2013.

Additional bibliography

Greene, W., *Econometric Analysis*, Prentice-Hall, 7th Edition, 2008.

Additional information on the course