

FACULTY/SCHOOL	UNIVERSITY OF PII School of Economics, Business and Int				
DEPARTMENT	Department of Economics				
LEVEL OF STUDY	Undergraduate				
COURSE UNIT CODE	OKOIM01	SEMI	ESTER	5 th	
COURSE TITLE	ECONOMETRICS I	,			
WEEKLY TEACHNG HOURS	4	CRED	CREDITS (ECTS) 6		
COURSE TYPE	Mandatory				
PREREQUISITE COURSES	-				
INSTRUCTION LANGUAGE	English	ASSE	SSMENT	LANGUAGE	English
OPEN TO ERASMUS	Yes				
LEARNING OUTCOMES	The current course provides a thorough				
	Economics to empirically identify the behavior of many phenomena. The course discusses the concept of a random variable, presents the distributions of continues random variables and reviews the basic statistical analysis of one variable. Next, it covers the correlation analysis, properties of the correlation coefficient and hypothesis testing. The simple regression model with all its characteristics, i.e., estimation, goodness of fit, distributions and properties of the estimators, Gauss-Markov theorem, hypothesis testing and forecasting is presented afterwards. The course presents next the multiple regression model with all its characteristics, i.e., estimation, coefficients of determination and adjusted coefficient of determination, properties of estimators and distribution, all the tests, ANOVA analysis and forecasting. The tools students will learn in this course will allow them to analyze real data and derive policy conclusions for Economics and Business issues.				
GENERAL COMPETENCES	Data analysis				
COURSE CONTENT	 Estimating relations for identifying the behavior of a phenomenon and for forecasting Quantitative analysis Correlation and Regression Analysis Decision Making process Project planning and management Basic concepts of deterministic versus stochastic models Random variables and distributions of continues random variables Statistical inference Correlation Analysis Simple regression model – Estimation – Testing and Forecasting Multiple regression model - Estimation – Testing and Forecasting 				
USE OF ICT IN TEACHING	Use of ICT in lectures				
COURSE DESIGN	Activity/Metho	od	Seme	ster workload	
	Lectures			52	
	Tutorials			12	
	Study			58	
	Exercises			26	
	Exam			2	
	Total			150	
COURSE ASSESSMENT	The evaluation of the course is implem	ented through a fina	Lexamin		
SUGGESTED BIBLIOGRAPHY	-Suggested bibliography: • Agiakloglou, C. and Benos, T. "Prin - Related Journal: Journal of economet • Journal of applied econometrics • Journal of quantitative economics	ciples of Econometri			