Course Title	Econometrics II				
Course Code	AEF480				
Course Type	Elective				
Level	Bachelor (1st Cycle)				
Year / Semester	4th Year / 8th Semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 Hours / 14 weeks	Laboratories / week	None
Course Purpose and Objectives	To increase students' econometric understanding. Students will learn how to collect data, to run regression analysis and understand the results. Moreover, students will learn how to run univariate time series data and understand the results. Finally, they will learn how to choose and use the tools necessary to conduct empirical work in business, economics and finance.				
Learning Outcomes	Upon successful completion of this course students should be able to: • distinguish the results of violating the assumptions of classical regression model • explain the nature and the results of heteroscedasticity • Perform Dickey-Fuller and augmented Dickey-Fuller tests for stationarity. • explain model specification errors • apply qualitative response regression models • explain the nature of dynamic econometric models • define basic concepts in time series econometrics				
Prerequisites	AEF475	Co-requisites	None		
Course Content	**Introduction :** The Nature of Regression Analysis Classical Normal Linear Regression Model (CNLRM) Multiple Regression Analysis: The Problem of Estimation Multiple Regression Analysis: The Problem of Inference Dummy Variable Regression Models **Relaxing the Assumptions of the Classical Model** Multicollinearity: What Happens If the regressors are correlated? Heteroscedasticity: what happens if the error variance is non-constant?				

	Autocorrelation: What Happens If the Error terms are correlated? Econometric Modeling: Model Specification and Diagnostic Testing **Topics in Econometrics** Nonlinear Regression Models Dynamic Econometric Models: Autoregressive and Distributed-Lag Models **Time Series Econometrics** Time Series Econometrics: Some Basic Concepts Time Series Econometrics: Forecasting
Teaching Methodology	Face-to-face
Bibliography	Gujarati Damodara: Basic Econometrics, McGraw-Hill (latest edition) Studenmund H.: Using Econometrics, Addison Wesly, (latest edition) Chris Brooks: Introductory econometrics for finance, Cambridge (latest edition) Walter Enders: Applied Econometric Time Series, Wiley (latest edition) Jeffrey Wooldridge: Introductory Econometrics, South-Western (latest edition)
Assessment	Examinations 60% Class Participation and Attendance 10% Assignments 30% 100%
Language	English