

## Course Descriptions NonDegree 2016-2017

Course Title Forecasting for Economics and Business  
 Course Code EBC2089  
 ECTS Credits 6,5  
 Assessment Whole/Half Grades

Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
4		6-2-2017	7-4-2017	X/E		X/E		

Level Intermediate

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Language of instruction English

Goals Understand the importance of knowing the mechanism that generated the data regarding the phenomenon about which a forecast is required;  
 Learn the basic tools for making forecasts including software (E-Views)  
 Learn and understand methods to investigate dynamic relationships between a series and influential exogenous variables;  
 Gain practical experience in analysing, modelling and forecasting a time series and reporting the results in course paper.

Description This course will cover static forecasting models, models with trends and seasonals, and cover the Box-Jenkins methodology for modeling cycles in stationary data. The course will provide students with a thorough understanding of dynamic time-series and with the empirical skills to estimate, test, and forecast the most appropriate dynamic model.

Literature The book by Diebold (2014), 'Forecasting' (available online).

Prerequisites This course can be chosen as an elective by students in the Bachelor program of IB, INF, IBE and IES. Students are expected to have a good foundation in quantitative methods, in particular statistics including knowledge about the multiple regression model.

Bowerman and O'Connell (2007), Business Statistics in Practice, 4th ed., McGraw-Hill, Chapters 1 to 12 give a good indication of the topics that students should have covered in earlier courses.  
 An advanced level of English.

Teaching methods PBL / Presentation / Lecture / Assignment

Assessment methods Final Paper / Participation

Evaluation in previous academic year For the complete evaluation of this course please click <http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM>

This course belongs to the following programme / specialisation

Bachelor Economics and Business Economics Specialisation Economics	QE Electives
Bachelor Economics and Business Economics Specialisation Emerging Markets	QE Electives
Bachelor Economics and Business Economics Specialisation Economics and Management of Information	QE Electives
Bachelor Economics and Business Economics Specialisation International Business Economics	QE Electives
Bachelor International Business	QE electives
SBE Exchange Bachelor	Bachelor Exchange Courses
SBE Exchange Master	Bachelor Exchange Courses
SBE Non Degree Courses	Bachelor Courses