# Course Descriptions None 2013-2014

| | |
|---|---|
| Course Title | Forecasting for Economics and Business |
| Course Code | EBC2089 |
| ECTS Credits | 6,5 |
| Assessment | None |

Period

| Period | Start | End | Mon | Tue | Wed | Thu | Fri |
|---|---|---|---|---|---|---|---|
| 4 | 3-2-2014 | 4-4-2014 | X/E | | X/E | | |

| | |
|---|---|
| Level | Intermediate |
| Coordinator | Jean-Pierre Urbain, Alain Hecq For more information:j.urbain@maastrichtuniversity.nl; a.hecq@maastrichtuniversity.nl |
| 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;<br>Learn the basic tools for making forecasts including software (E-Views)<br>Learn and understand methods to investigate dynamic relationships between a series and influential exogenous variables;<br>Gain practical experience in analysing, modelling and forecasting a time series and reporting the results in coursepaper. |
| Description | This course focuses on modern techniques in modeling time series and on the construction of simple dynamic models. The course will extensively cover the Box-Jenkins methodology, and extend to models with non-stationary data, forecasting with leading indicators and multivariate dynamic models (VAR). |
| Literature | The book by Diebold (2007), 'Elements of Forecasting'. |
| 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.<br><br>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.<br>An advanced level of English. |
| Teaching methods | PBL / Presentation / Lecture / Assignment |
| Assessment methods | Final Paper / Participation / Oral Exam |
| 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 and Management of Information | QE Electives |
| Bachelor Economics and Business Economics Specialisation International Business Economics | QE Electives |
| Bachelor Economics and Business Economics Specialisation International Economic Studies | QE Electives |
| Bachelor International Business | QE electives |
| SBE Exchange Bachelor | Bachelor Courses |
| SBE Exchange Master | Bachelor Courses |
| SBE Non Degree Courses | Bachelor Courses |