

## Course Descriptions Bachelor 2019-2020

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      |        | 3-2-2020 | 3-4-2020 | X/E |     | X/E |     |     |

Level Advanced

Coordinator Alain Hecq For more information: [a.hecq@maastrichtuniversity.nl](mailto:a.hecq@maastrichtuniversity.nl)

Language of instruction English

Goals Understand the importance of knowing the mechanisms that generate univariate time-series data.  
 Learn the basic tools for making forecasts including software (E-Views).  
 Learn and understand methods to investigate dynamic characteristics of time-series data.  
 Gain practical experience in analysing, modelling and forecasting a time series and reporting the results in course paper.

Description This course will cover static and dynamic 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 time-series and with the empirical skills to estimate, test, and forecast the most appropriate dynamic models.

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 IBE and IES. Students must have a good and solid foundation in empirical econometrics and applied statistics, in particular statistics including knowledge about the multiple linear regression model.

James H. Stock and Mark W. Watson : Introduction to Econometrics provides a good level indication of the prerequisites knowledge students must have to be able to follow this course successfully.

An advanced level of English.

Teaching methods PBL / Presentation / Lecture / Assignment

Assessment methods Final Paper / Participation / Written 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 - Economics                               | Year 3 Quantitative Economics Elective(s)   |
| Bachelor Economics and Business Economics - Emerging Markets                        | Year 3 Elective Course(s)                   |
| Bachelor Economics and Business Economics - Economics and Management of Information | Year 2+3 Quantitative Economics Elective(s) |
| Bachelor Economics and Business Economics - International Business Economics        | Year 3 QE Elec(s) - Maj Accounting          |
| Bachelor Economics and Business Economics - International Business Economics        | Year 3 QE Elec(s) - Maj Finance             |
| Bachelor Economics and Business Economics - International Business Economics        | Year 3 QE Elec(s) - Maj Inf Mgmt            |
| Bachelor Economics and Business Economics - International Business Economics        | Year 3 QE Elec(s) - Maj Marketing           |
| Bachelor Economics and Business Economics - International Business Economics        | Year 3 QE Elec(s) - Maj Org                 |
| Bachelor Economics and Business Economics - International Business Economics        | Year 3 QE Elec(s) - Maj SCM                 |
| Bachelor Economics and Business Economics - International Business Economics        | Year 3 QE Elec(s) - Maj Strategy            |
| Bachelor International Business - Emerging Markets                                  | Year 3 Elective Course(s)                   |
| Bachelor International Business   | Year 3 QE Elec(s) - Maj Accounting          |
| Bachelor International Business   | Year 3 QE Elec(s) - Maj Finance             |
| Bachelor International Business   | Year 3 QE Elec(s) - Maj Inf Mgmt            |
| Bachelor International Business   | Year 3 QE Elec(s) - Maj Marketing           |
| Bachelor International Business   | Year 3 QE Elec(s) - Maj Org                 |
| Bachelor International Business   | Year 3 QE Elec(s) - Maj SCM                 |
| Bachelor International Business   | Year 3 QE Elec(s) - Maj Strategy            |
| SBE Exchange Bachelor   | Bachelor Exchange Courses                   |
| SBE Exchange Master   | Bachelor Exchange Courses                   |
| SBE Non Degree Courses  | Bachelor Courses                            |