

## Course Descriptions Master 2016-2017

Course Title Supply Chain Research Methods  
 Course Code EBC4088  
 ECTS Credits 6,5  
 Assessment Whole/Half Grades

| Period | Start      | End        | Mon | Tue | Wed | Thu | Fri |
|--------|------------|------------|-----|-----|-----|-----|-----|
| 2      | 31-10-2016 | 22-12-2016 | X   |     |     | X   |     |
| 5      | 18-4-2017  | 9-6-2017   | X   |     |     | X   |     |

Level Advanced

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Language of instruction English

Goals At the end of this course, the students can use several quantitative techniques necessary for the management and improvement of the supply chain.

Description This course focuses on mathematical techniques for managing and improving the supply chain. These techniques include data collection and analysis and forecasting techniques. Moreover, to streamline the supply chain several optimisation techniques from operations research are being taught.

Literature Ragsdale, Cliff T., Managerial Decision Modeling, 6th international edition, North-Western Cengage Learning, 2007.  
 Hanke, John E. and Wichern, Dean W., Business Forecasting, 9th international edition, Pearson Education, 2009.

Prerequisites Basics in linear programming, statistics and familiarity with Excel  
 An advanced level of English.

Teaching methods PBL / Presentation / Assignment / Groupwork

Assessment methods Attendance / 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

|   |                         |
|---|-------------------------|
| Master Business Research                                    | Methodology Electives   |
| Master Business Research Track OR                           | Methodology Electives   |
| Master International Business Track Supply Chain Management | SCM                     |
| SBE Exchange Master   | Master Exchange Courses |
| SBE Non Degree Courses                                      | Master Courses          |