

## Course Descriptions Master 2019-2020

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	28-10-2019	20-12-2019	X			X	
5	14-4-2020	5-6-2020	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., Spreadsheet Modeling and Decision Analysis, 8th edition, Cengage Learning, 2018.  
 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 Final Paper / Attendance / Participation / Written Exam / Presentation

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 - No specialisation	Year 1 Disc- IB Supply Chain Mgmt
Master Business Research - No specialisation	Year 2 Methodology Elective(s)
Master Business Research - Operations Research	Year 1 Elective Course(s)
Master Business Research - Operations Research	Year 2 Elective Course(s)
Master International Business - Supply Chain Management	Compulsory Course(s)
SBE Exchange Master	Master Exchange Courses
SBE Non Degree Courses	Master Courses