

## Course Descriptions Master 2017-2018

Course Title Methods and Methodology\*

Course Code EBC4122

ECTS Credits 6,5

Assessment None

Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	1	4-9-2017	27-10-2017		X		X	

Level Advanced

Coordinator Tjark Vredevelde For more information: [t.vredevelde@maastrichtuniversity.nl](mailto:t.vredevelde@maastrichtuniversity.nl)

Language of instruction

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.  
Language of instruction : English.

Literature C.T Ragsdale, Managerial Decision Modeling, 6th international edition, 2011.  
J.E. Hanke and D.W. Wichern, Business Forecasting, 9th edition, 2009.

Prerequisites Basics in linear programming, statistics and familiarity with Excel.

Teaching methods PBL / Presentation / Assignment / Groupwork

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 Master Global Supply Chain Management&Change Compulsory Courses