

## Course Descriptions Master 2023-2024

Course Title Methods and Methodology\*

Course Code EBC4122

ECTS Credits 6,5

Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
1	4-9-2023	20-10-2023		X		X	

Level Advanced

Coordinator Tjark Vredevelde For more information:t.vredevelde@maastrichtuniversity.nl

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 analysis and forecasting techniques. Moreover, to streamline the supply chain several optimisation techniques from operations research are being taught.  
Language of instruction : English.

Literature \* Rob J Hyndman and George Athanasopoulos. Forecasting: Principles and Practice (3rd ed). Available at: <https://otexts.com/fpp3>

\* Hadley Wickhama and Garrett Golemund, R for Data Science: Import, Tidy, Transform, Visualize, and Model Data 1st Edition. Available at: <https://r4ds.had.co.nz/>

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 and Change Compulsory Course(s)