Course Descriptions None 2022-2023

Course Title	Methods and Methodology*
Course Code	EBC4122
ECTS Credits	6,5
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
1	5-9-2022	21-10-2022		X		X	

Level	Advanced
Coordinator	Tjark Vredeveld For more information:t.vredeveld@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	PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. A RE-EMERGENCE OF THE CORONAVIRUS AND NEW COUNTERMEASURES BY THE DUTCH GOVERNMENT MIGHT FORCE COORDINATORS TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS. 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 Grolemund, 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)