Course Descriptions None 2026-2027

Course Title	Supply Chain Operations Management
Course Code	EBC4016
ECTS Credits	6,5
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
2	26-10-2026	11-12-2026	X			X	

Level	Intermediate
Coordinator	Veerle Timmermans For more information:vm.timmermans@maastrichtuniversity.nl
Language of instruction	English
Goals	* Know the important role and nature of Supply Chain Operations in (international) Business * Every topic is connected to one or multiple research papers and fully discussed during the tutorials * Apply and Develop Techniques for understanding, design, management and optimisation of different supply chain decisions and processes * Understand and judge the role and functioning of quantitative models for decison making in the management of various Supply Chain decision and processes * Derive managerial decisions based on the outcome of those models * Adopt a critical view on different Supply Chain decisions and processes supported by the academic literature * Introduce generic algorithms and heuristics that can be applied to a variety of problems * Company case in which students all take a different role and get different pieces of information * They need to communicate and come to a single decision * Present results in written form, adjusted to a non-specialist audience and give recommendations * Optionally: rewrite business report to a presentation and share with a non-specialist audience * During casework within a team students are assigned different roles and they need to communicate effectively to come to a decision * Work in teams on multiple cases and facilitations * React on facilitations of other students by giving constructive feedback
Description	The course Supply Chain Operations deals with the design, management and improvement of the processes that create a firm's primary services and products. Topics include scheduling, facility location, sales & operations planning, inventory control, and supply chain collaboration. The course combines theory and exercises with several cases and recent research articles from the manufacturing and service industry.
Literature	Literature will consist of readers for every topic, complemented with research articles and case studies. All literature will be provided through Canvas. A list of textbooks on Operations Management is given in the course manual for additional reading/basic concepts.
Prerequisites	* Basic knowledge of statistics, probability and simulation; knowledge of Linear Programming and familiarity with Excel and the Solver plugin (as e.g. from the courses "Quantitative Methods" and "Operations Management" from the Bachelor International Business). * A previous course on Operations Management will be useful. * An advanced level of English.
Transitional Regulations	<ul class="trcohorts"> - Master Business Research - No specialisation [2023-2024 and earlier] - Master Business Research - Operations Research [2023-2024 and earlier] - In 2024-2025 and 2025-2026 education and exam/resit opportunities are offered. - In 2026-2027 exam/resit opportunities are offered. - From 2027-2028 onwards, the course is cancelled. <table><col style="width: 200px;"><col style="width: 120px;"><col style="width: 120px;"><col><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2024-2025 - 2025-2026</td><td>X</td><td>X</td><td> </td></tr><tr><td>2026-2027</td><td> </td><td>X</td><td> </td></tr><tr><td>2027-2028 onwards</td><td> </td><td> </td><td> </td></tr></tbody></table> <ul class="trcohorts"> - Master Econometrics and Operations Research [2023-2024 and earlier] - Master Human Decision Science [2023-2024 and earlier] - From 2024-2025 onwards, the course is cancelled. <table><col style="width: 200px;"><col style="width: 120px;"><col style="width: 120px;"><col><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2024-2025 onwards</td><td> </td><td> </td><td> </td></tr></tbody></table>
Teaching methods	PBL / Presentation / Lecture / Assignment / Papers / Groupwork
Assessment methods	Attendance / Participation / Written Exam / Assignment / 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	In transition - Year 1 Disc IB Supply Chain Mgmt
Master Business Research - Operations Research	In transition - Year 1+2 Elective Courses
Master Econometrics and Operations Research	Cancelled - Free Electives
Master Economic and Financial Research - Econometrics and Operations Research	Elective Courses
Master Human Decision Science	Cancelled - Elective Courses
Master International Business - Accounting and Financial Analysis	Elective Courses
Master International Business - Entrepreneurship and Business Development	Elective Courses
Master International Business - Managerial Decision-Making and Control	Elective Courses
Master International Business - Information Management and Business Intelligence	Elective Courses
Master International Business - Marketing-Finance	Elective Courses
Master International Business - Organisation: Management, Change and Consultancy	Elective Courses
Master International Business - Strategic Corporate Finance	Elective Courses
Master International Business - Strategic Marketing	Elective Courses
Master International Business - Strategy and Innovation	Elective Courses
Master International Business - Supply Chain Management	Compulsory Courses
Master International Business - Sustainable Finance	Elective Courses
SBE Exchange Master	Master Exchange Courses
SBE Non Degree Courses	Master Courses