Course Descriptions None 2026-2027

Course Title	E&OR Case Competitions
Course Code	EBC4187
ECTS Credits	6,5
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
5	12-4-2027	4-6-2027	C				

Level	Advanced
Coordinator	Andre Berger For more information:a.berger@maastrichtuniversity.nl
Language of instruction	English
Goals	Students learn how to * understand and present state-of-the-art research articles. * review academic work of other researchers. * model real-life problems within various frameworks from Econometrics, Operations Research and Mathematical Economics * adapt, develop, implement and analyse models and algorithms from those areas to real-life problems. * work on a practical project in a team
Description	In this course students will learn how to use previously learned advanced techniques from Econometrics, Operations Research and Mathematical Economics. This can include time series models for data analysis, game theoretic models, and algorithmic approaches, as well as a combination thereof. This will be achieved by studying state-of-the-art research articles and current research presentations. Students will understand, adapt, implement and analyse those models and algorithms in order to test the validity of the approaches using a specific realistic case.
Literature	Various recent research articles and research presentations.
Prerequisites	* Algorithms and Optimisation (EBC4049) * Advanced Operations Research (EBC4051) * problems and techniques from combinatorial optimisation and complexity theory * programming skills * heuristics * search methodologies
Transitional Regulations	<ul class="trcohorts"> - 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>
Teaching methods	PBL / Presentation / Assignment / Papers / Groupwork / Research / Skills
Assessment methods	Final Paper / Attendance / 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 - Operations Research	In transition - Year 1 Compulsory Courses
Master Econometrics and Operations Research	E&OR Electives
Master Economic and Financial Research - Econometrics and Operations Research	Elective Courses
Master Economic and Financial Research - Econometrics and Operations Research	Year 1 Core Courses