

## Course Descriptions None 2026-2027

Course Title Game Theory and Economics  
 Course Code EBC2110  
 ECTS Credits 6,5  
 Assessment Whole/Half Grades

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

Level Advanced  
 Coordinator Marc Schröder For more information:m.schröder@maastrichtuniversity.nl  
 Language of instruction English  
 Goals Knowledge of the main concepts in cooperative and non-cooperative game theory; skills in applying these concepts in economic models.  
 Description This course discusses the main concepts from non-cooperative and cooperative game theory:  
 \* Non-cooperative game theory: Nash equilibrium, subgame perfect equilibrium, and Bayesian equilibrium.  
 \* Cooperative game theory: core, Shapley value, nucleolus.  
 Applications range from auctions to job market signalling, and cost allocation.  
 Literature Game Theory: A multi-leveled approach, author: Hans Peters/Springer 2015 2nd edition.  
 Prerequisites \* The course is open for all students, although Economics students should be aware of the challenging technical level of this course. The course Thinking strategically could be a proper alternative.  
 \* This course is compulsory for 2nd-year students Econometrics and Operations Research.  
 \* Exchange students need to follow a Bachelor in economics, not in business and must have a decent level in mathematics, especially calculus. Some prior knowledge about microeconomics would be helpful.  
 \* An advanced level of English.  
 Transitional Regulations <div class="trreg"><ul class="trcohorts"><li>Bachelor Economics and Business Economics - Economics and Management of Information [2024-2025 or earlier]</li><li>Bachelor Economics and Business Economics - International Business Economics [2024-2025 or earlier]</li></ul><ol><li>From 2025-2026 onwards, education and exam/resit opportunities are offered.<br />Alternative options may be available. See the Bachelor EER 2025-2026 Appendix I Article 16 for more information.</li></ol><table><col style="width: 200px;"><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2025-2026 onwards</td><td>X</td><td>X</td><td></td></tr></tbody></table></div>  
 Teaching methods PBL / Presentation / Lecture / Groupwork  
 Assessment methods Written Exam / Assignment  
 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	
Bachelor Business Analytics	Year 3 Elective Courses
Bachelor Economics and Business Economics - Economics	Year 3 Quantitative Economics Electives
Bachelor Economics and Business Economics - Emerging Markets	Year 3 Elective Courses
Bachelor Economics and Business Economics - Economics and Management of Information	In transition - Year 2+3 QE Electives
Bachelor Economics and Business Economics - Economics and Management of Information	Year 3 Quantitative Economics Elective
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Accounting - QE Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Finance - QE Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Inf Mgmt - QE Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Marketing - QE Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Org - QE Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj SCM - QE Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Strategy - QE Elec
Bachelor Economics and Business Economics - International Business Economics	Year 3 Quantitative Economics Elective
Bachelor Econometrics and Operations Research	Year 2 Compulsory Courses
Bachelor Fiscal Economics	Annex 1 Electives
Bachelor International Business - Emerging Markets	Year 3 Elective Courses
Bachelor International Business	Year 3 QE Elecs - Maj Accounting
Bachelor International Business	Year 3 QE Elecs - Maj Finance
Bachelor International Business	Year 3 QE Elecs - Maj Inf Mgmt
Bachelor International Business	Year 3 QE Elecs - Maj Marketing
Bachelor International Business	Year 3 QE Elecs - Maj Org
Bachelor International Business	Year 3 QE Elecs - Maj SCM
Bachelor International Business	Year 3 QE Elecs - Maj Strategy
SBE Exchange Bachelor	Bachelor Exchange Courses
SBE Exchange Master	Bachelor Exchange Courses
SBE Non Degree Courses	Bachelor Courses