Course Descriptions NonDegree 2017-2018

Course Title	Thinking Strategically
Course Code	EBC2082
ECTS Credits	6,5
Assessment	None

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
1	4-9-2017	27-10-2017	X		X		

Level	Intermediate/Advanced
Coordinator	Hans Peters For more information:h.peters@maastrichtuniversity.nl
Language of instruction	English
Goals	After this course students know the basic concepts of game theory and their applications to economics.
Description	The course treats the main concepts of game theory at an intermediate level, and includes applications to economics. The following topics are discussed : zero sum games, value and optimal strategies. nonzero sum games, Nash equilibrium, subgame perfect Nash equilibrium. Games with incomplete information, perfect Bayesian Nash equilibrium. Applications to standard economic models, bargaining and auctions. Evolutionary games, repeated games. Cooperative games: core, Shapley value, nucleolus.
Literature	H. Peters: Game Theory - A Multileveled Approach, Springer, 2015 (2nd edition).
Prerequisites	Basic knowledge of standard calculus, as taught in the first year of an average program in economics or business. For students from Maastricht: level of QM1 and QM2.
Teaching methods	PBL / Lecture / Assignment
Assessment methods	Attendance / 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

Bachelor Economics and Business Economics Specialisation Economics	QE Electives
Bachelor Economics and Business Economics Specialisation Emerging Markets	QE Electives
Bachelor Economics and Business Economics Specialisation Economics and Management of Information	QE Electives
Bachelor Economics and Business Economics Specialisation International Business Economics	QE Electives
Bachelor International Business	QE electives
SBE Exchange Bachelor	Bachelor Exchange Courses
SBE Exchange Master	Bachelor Exchange Courses
SBE Non Degree Courses	Bachelor Courses