Course Descriptions NonDegree 2021-2022

Course Title	Social Choice Theory
Course Code	EBC4005
ECTS Credits	6,5
Assessment	Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
2	25-10-2021	10-12-2021	X		X		

Level	Intermediate
Coordinator	Bas Dietzenbacher For more information:b.dietzenbacher@maastrichtuniversity.nl
Language of instruction	English
Goals	In this course the student will learn to formally analyse collective decision rules w.r.t. various aspects such as anonymity, Pareto-optimality, neutrality, and strategy-profess.
Description	In collective decision-making (e.g., elections) the rules and procedures used to arrive at a decision may have a considerable impact on the final result. Different rules may lead to different decisions. In this course such rules are studied. In particular, desirable properties like Pareto-optimality and non-manipulability are investigated. Some topics are: - voting schemes for two alternatives, theorem of May; - voting schemes for more than two alternatives, score rules, veto rules; - Condorcet winners, dictatorial rules, anonymity, neutrality, positive association, impossibility theorems of Arrow, Gibbard and Satterthwaite; - location problems; - strategy-proof division; - implementation.
Literature	Lecture notes.
Prerequisites	A mathematic level comparable to a BSc Econometrics & Operations Research meets the prerequisites. Exchange students need to have obtained a Bachelor degree and an advanced level in mathematics. An advanced level of English.
Teaching methods	PBL / Lecture
Assessment methods	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 Econometrics and Operations Research	Elective Course(s)
Master Economic and Financial Research - Econometrics	Year 1 Core Course(s)
Master Economic and Financial Research - Econometrics	Year 1 Elective Course(s)
Master Economic and Financial Research - No specialisation	Year 1 Elective Course(s)
SBE Exchange Master	Master Exchange Courses
SBE Non Degree Courses	Master Courses