

Course Descriptions None 2018-2019

Course Title Social Choice Theory
 Course Code EBC4005
 ECTS Credits 6,5
 Assessment None

Period	Start	End	Mon	Tue	Wed	Thu	Fri
2	29-10-2018	21-12-2018	X		X		

Level Intermediate
 Coordinator Ton Storcken For more information:t.storcken@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-proofness.

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	Econometrics & OR Electives
	Master Econometrics and Operations Research	Mathematical Economics
	Master Economic and Financial Research - Econometrics	Electives
	Master Economic and Financial Research - Econometrics	Track Econometrics Core Courses
	Master Economic and Financial Research	Electives
	SBE Exchange Master	Master Exchange Courses
	SBE Non Degree Courses	Master Courses