

Course Descriptions Exchange 2022-2023

Course Title Collective Decision Making
 Course Code EBC4005
 ECTS Credits 6,5
 Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
2	31-10-2022	16-12-2022	X		X		

Level Intermediate

Coordinator Bas Dietzenbacher For more information: b.dietzenbacher@maastrichtuniversity.nl

Language of instruction English

Goals Students learn to formally analyze collective decision rules on the basis of normative properties arising from fairness and robustness considerations.

Description PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. A RE-EMERGENCE OF THE CORONAVIRUS AND NEW COUNTERMEASURES BY THE DUTCH GOVERNMENT MIGHT FORCE COORDINATORS TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS.

In this theoretical course, we analyze different models for collective decision problems following the axiomatic approach. This means that we define collective decision rules (voting rules, scoring rules, allocation rules), formulate some appropriate properties for these rules, and study their implications. These properties reflect desirable fairness or robustness principles, such as anonymity, efficiency, neutrality, stability, monotonicity, consistency, and manipulability.

Topics that we cover include:

- * elections
- * location problems
- * bankruptcy problems
- * bargaining problems
- * cooperative games

Literature Lecture slides

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