

## Course Descriptions None 2023-2024

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	30-10-2023	15-12-2023	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 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 strategy-proofness. 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	Elective Course(s)
	Master Economic and Financial Research - Econometrics	Year 1 Core Course(s)
	Master Economic and Financial Research - No specialisation	Elective Course(s)
	SBE Exchange Master	Master Exchange Courses
	SBE Non Degree Courses	Master Courses