

Course Descriptions Master 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	<p>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.</p> <p>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.</p> <p>Topics that we cover include:</p> <ul style="list-style-type: none"> * 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	<table> <tr> <td>Master Econometrics and Operations Research</td><td>Elective Course(s)</td></tr> <tr> <td>Master Economic and Financial Research - Econometrics</td><td>Year 1 Core Course(s)</td></tr> <tr> <td>Master Economic and Financial Research - Econometrics</td><td>Year 1 Elective Course(s)</td></tr> <tr> <td>Master Economic and Financial Research - No specialisation</td><td>Year 1 Elective Course(s)</td></tr> <tr> <td>SBE Exchange Master</td><td>Master Exchange Courses</td></tr> <tr> <td>SBE Non Degree Courses</td><td>Master Courses</td></tr> </table>	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
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