

## Course Descriptions NonDegree 2019-2020

Course Title	Social Choice Theory																		
Course Code	EBC4005																		
ECTS Credits	6,5																		
Assessment	None																		
Period	<table border="1"> <thead> <tr> <th>Period</th> <th>Start</th> <th>End</th> <th>Mon</th> <th>Tue</th> <th>Wed</th> <th>Thu</th> <th>Fri</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>28-10-2019</td> <td>20-12-2019</td> <td>X</td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>	Period	Start	End	Mon	Tue	Wed	Thu	Fri	2	28-10-2019	20-12-2019	X		X				
Period	Start	End	Mon	Tue	Wed	Thu	Fri												
2	28-10-2019	20-12-2019	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	<p>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.</p> <p>Some topics are:</p> <ul style="list-style-type: none"> <li>- voting schemes for two alternatives, theorem of May;</li> <li>- voting schemes for more than two alternatives, score rules, veto rules;</li> <li>- Condorcet winners, dictatorial rules, anonymity, neutrality, positive association, impossibility theorems of Arrow, Gibbard and Satterthwaite;</li> <li>- location problems;</li> <li>- strategy-proof division;</li> <li>- implementation.</li> </ul>																		
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 <a href="http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM">http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM</a>																		
This course belongs to the following programme / specialisation	<table border="0"> <tr> <td>Master Econometrics and Operations Research - Econometrics</td> <td>Elective Course(s)</td> </tr> <tr> <td>Master Econometrics and Operations Research - Mathematical Economics</td> <td>Compulsory Course(s)</td> </tr> <tr> <td>Master Econometrics and Operations Research - No specialisation</td> <td>Elective Course(s)</td> </tr> <tr> <td>Master Econometrics and Operations Research - 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 - Econometrics	Elective Course(s)	Master Econometrics and Operations Research - Mathematical Economics	Compulsory Course(s)	Master Econometrics and Operations Research - No specialisation	Elective Course(s)	Master Econometrics and Operations Research - 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
Master Econometrics and Operations Research - Econometrics	Elective Course(s)																		
Master Econometrics and Operations Research - Mathematical Economics	Compulsory Course(s)																		
Master Econometrics and Operations Research - No specialisation	Elective Course(s)																		
Master Econometrics and Operations Research - 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																		