

Course Descriptions None 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"> - 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 | <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 | | | | | | | | | | | | | | | | | | |