

Course Descriptions NonDegree 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

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| 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 |