

## Course Descriptions Exchange 2023-2024

|   |  |          |           |                           |   |     |     |     |
|---|--|----------|-----------|---------------------------|---|-----|-----|-----|
| Course Title  | Market Design  |          |           |                           |   |     |     |     |
| Course Code   | EBC2091  |          |           |                           |   |     |     |     |
| ECTS Credits  | 6,5  |          |           |                           |   |     |     |     |
| Assessment  | Whole/Half Grades  |          |           |                           |   |     |     |     |
| Period  | Period   | Start    | End       | Mon                       | Tue   | Wed | Thu | Fri |
|   | 4  | 5-2-2024 | 28-3-2024 |                           | X   |     | X   |     |
| Level   | Intermediate   |          |           |                           |   |     |     |     |
| Coordinator   | Dries Vermeulen For more information:d.vermeulen@maastrichtuniversity.nl   |          |           |                           |   |     |     |     |
| Language of instruction   | English  |          |           |                           |   |     |     |     |
| Goals   | (1) Being familiar with the game theoretic analysis of classical single-item auctions; (2) get insight in recent and classical auction literature and learn to interpret the main results; (3) be aware of the most important issues of auction design and how they can be addressed in various contexts; (4) learn how to set up an auction design for a particular application.  |          |           |                           |   |     |     |     |
| Description   | <p>In order to satisfy the Econometrics &amp; OR curriculum, you have to choose two of the courses EBC2091, EBC2120, EBC2121, EBC2122 in period 4.</p> <p>The course is divided into two parts. Part (I) deals with fundamental results on auctions and market design. We discuss classical theory on single item auctions, but also for example frequency auctions where many licenses are sold simultaneously, and procurement auctions. Part (II) complements the theory. We read and discuss papers on real applications, in which the results from the theory part are relevant. Examples of markets we study are electric power auctions, trade in emission rights, and listings in online search engines.</p> |          |           |                           |   |     |     |     |
| Literature  | Course book.   |          |           |                           |   |     |     |     |
| Prerequisites   | Exchange students need to major in economics.<br>An advanced level of English.   |          |           |                           |   |     |     |     |
| Teaching methods  | Presentation / Lecture / Papers / Groupwork  |          |           |                           |   |     |     |     |
| Assessment methods  | Participation / 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 | Bachelor Economics and Business Economics - Economics  |          |           |                           | Year 3 Quantitative Economics Elective(s)   |     |     |     |
|   | Bachelor Economics and Business Economics - Emerging Markets   |          |           |                           | Year 3 Elective Course(s)                   |     |     |     |
|   | Bachelor Economics and Business Economics - Economics and Management of Information  |          |           |                           | Year 2+3 Quantitative Economics Elective(s) |     |     |     |
|   | Bachelor Economics and Business Economics - International Business Economics   |          |           |                           | Year 3 QE Elec(s) - Maj Accounting          |     |     |     |
|   | Bachelor Economics and Business Economics - International Business Economics   |          |           |                           | Year 3 QE Elec(s) - Maj Finance             |     |     |     |
|   | Bachelor Economics and Business Economics - International Business Economics   |          |           |                           | Year 3 QE Elec(s) - Maj Inf Mgmt            |     |     |     |
|   | Bachelor Economics and Business Economics - International Business Economics   |          |           |                           | Year 3 QE Elec(s) - Maj Marketing           |     |     |     |
|   | Bachelor Economics and Business Economics - International Business Economics   |          |           |                           | Year 3 QE Elec(s) - Maj Org                 |     |     |     |
|   | Bachelor Economics and Business Economics - International Business Economics   |          |           |                           | Year 3 QE Elec(s) - Maj SCM                 |     |     |     |
|   | Bachelor Economics and Business Economics - International Business Economics   |          |           |                           | Year 3 QE Elec(s) - Maj Strategy            |     |     |     |
|   | Bachelor Econometrics and Operations Research  |          |           |                           | Year 3 Core Course(s)                       |     |     |     |
|   | Bachelor Econometrics and Operations Research  |          |           |                           | Year 3 Elective Course(s)                   |     |     |     |
|   | Bachelor International Business - Emerging Markets   |          |           |                           | Year 3 Elective Course(s)                   |     |     |     |
|   | Bachelor International Business  |          |           |                           | Year 3 QE Elec(s) - Maj Accounting          |     |     |     |
|   | Bachelor International Business  |          |           |                           | Year 3 QE Elec(s) - Maj Finance             |     |     |     |
|   | Bachelor International Business  |          |           |                           | Year 3 QE Elec(s) - Maj Inf Mgmt            |     |     |     |
|   | Bachelor International Business  |          |           |                           | Year 3 QE Elec(s) - Maj Marketing           |     |     |     |
|   | Bachelor International Business  |          |           |                           | Year 3 QE Elec(s) - Maj Org                 |     |     |     |
|   | Bachelor International Business  |          |           |                           | Year 3 QE Elec(s) - Maj SCM                 |     |     |     |
|   | Bachelor International Business  |          |           |                           | Year 3 QE Elec(s) - Maj Strategy            |     |     |     |
| SBE Exchange Bachelor   |  |          |           | Bachelor Exchange Courses |   |     |     |     |
| SBE Exchange Master   |  |          |           | Bachelor Exchange Courses |   |     |     |     |
| SBE Non Degree Courses  |  |          |           | Bachelor Courses          |   |     |     |     |