

M.Sc. Economics

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| Code: | 017 919 | Type: | M.Sc. 2 nd year, Winter 2012 |
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| Title: | Topics in Game Theory (Elective course) |
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| Lecturer: | Klaus Ritzberger |
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| ECTS: | 3 | Contact hours (per term): | 20 |
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| Semester: | Winter 2012 | Frequency of the lecture: | 10 units |
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| Dates: | |
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| Prerequisites: | Game Theory I |
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| Learning objectives (What are the intended learning outcomes? Which skills will be acquired?): |
| Students will learn the most important refinement concepts for Nash equilibrium and how to apply them. |

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| Content (Which professional competence and which contents will be imparted?): |
| <p>Backwards Induction</p> <p>Strategy Trembles</p> <p>Strategic Stability</p> <p>Payoff Perturbations</p> <p>Index Theory</p> |

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| Teaching approach (Description of the learning and teaching methods): |
| Lecture + Tutorial |

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| Workload (Definition of workload (ECTS), divided in pre-modules (e.g. pre-readings), core-modules (contact hours), post-modules (e.g. case studies)): |
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| Language of instruction (Information on the language of teaching): |
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| English |
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| Obligatory literature (E.g. scripts, books, articles, cases, papers): |
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| Ritzberger, K., Foundations of Non-Cooperative Game Theory, Oxford University Press, 2002 |
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| Additional literature (E.g. books, articles, cases, papers): |
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| Mode of examination (Mode of the examinations and tests (e.g. oral or written examination, lecture, homework, papers, class participation): |
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| Final exam. |
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| Grading (A maximum of 20% outside the class room): |
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| Final exam 100%. |
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| Special features (E.g. excursion, guest speaker): |
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| Contact information: | Office hours: |
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| Prof. Dr. Klaus RITZBERGER Institute for Advanced Studies Stumpergasse 56, 1060 Vienna, Austria Phone No.: +43/1/59991-153 Fax No.: +43/1/59991-163 E-mail: ritzbe@ihs.ac.at | By appointment |
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| Course website: |
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| https://cecnet.tuwien.ac.at/ |
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