**COURSE SYLLABUS FOR ADVANCED MICROECONOMICS**

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| **Basic data for the course** | | | |
| **Academic unit:** | Faculty of Economics | | |
| **Title of the course:** | Advanced Microeconomics | | |
| **Level:** | Master | | |
| **Status of the course:** | Obligatory | | |
| **Year of studies:** | 1st Year, 1st Semester | | |
| **Number of hours per week:** | 3+0 | | |
| **ECTS credits:** | 6 | | |
| **Time/location:** | TBD | | |
| **Tutor:** | Florentina Xhelili | | |
| **Tutor’s contact details:** | Fakulteti Ekonomik, UP  Email: [florentina.xhelili@uni-pr.edu](mailto:florentina.xhelili@uni-pr.edu) | | |
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| **Content of the course** | This course conveys knowledge of microeconomic core concepts in a rigorous and particularly formal manner including the pertinent proofs. The course teaches how to construct formal models and prove propositions. The course offers in‐depth treatment of selected topics across a wide area of the field. Some of the topics that will be discus in the class sessions: consumer theory, producer theory, market structures and efficiency, game theory. | | |
| **Course’s objectives:** | * Provide a rigorous introduction to the core concepts of microeconomics and relevant mathematical notions such as concavity and supermodularity. * Show how modern microeconomic theory and analysis can be and is used to study the allocation and use resources. | | |
| **The expected outcomes:** | * Explain, construct and apply the most common microeconomic methods of proof and analysis * Critically appraise the result of such models and those of other researchers that deploy these techniques. * Develop, interpret and apply different techniques by using different models, use these techniques with sufficient confidence and independently apply them to one’s own scientific questions. | | |
| **The students’ workload *(hours per semester, ECTS)*** | | | |
| **Activity** | **Weeks** | **Hours** | **Total** |
| Lectures | 15 | 3 | 45 |
| Seminars (theoretical and practical) |  |  |  |
| Case studies |  |  |  |
| Direct contact with tutor | 1 | 1 | 1 |
| Field research |  |  |  |
| Colloquiums |  |  |  |
| Homework | 4 | 5 | 20 |
| Individual study (at library or at home) | 15 | 4 | 60 |
| Final preparation for the exam | 3 | 8 | 24 |
| Evaluation |  |  |  |
| Projects, presentation etc. |  |  |  |
| **Total** |  |  | **150** |
| **Teaching methods:** | Lectures; tutorials using case studies; homework; guest lectures. | | |
| **Assessment methods:** | **Activity and assignment point values**  Grading will be based on:   * Assignment 1 – 25% of the Grade * Midterm exam - 50% of the Grade * Assignment 2 - 25% of the Grade   The maximum number of points is 100. The Final grade will be calculated as follows:  Percentage Grade Grade Points  91 – 100 A 10  81 – 90 B9  71 – 80 C8  61 – 70 D 7  51 – 60 E6  <50 FX5 | | |
| **Literature** | | | |
| **Basic literature:** | * H., Varian. Microeconomic Analysis. 3rd edition. Norton & Company, Inc. * General Economic Theory: G. Jehle and P. Reny, Advanced Microeconomic Theory 2e (2001); * Microeconomic Theory, by A. Mas-Colell, M. Whinston and J. Green (henceforth MWG).   ***You do NOT have to purchase the most recent version of this textbook*.** | | |
| **Additional literature:** | J. Hirshleifer, A. Glazer, and D. Hirshleifer, *Price Theory and Applications*, 7th edition, 2005, Cambridge University Press.   * D. Kreps, A Course in Microeconomic Theory (1990). * Mathematics: R. Sundaram, A First Course in Optimization (1996); * D. Topkis, Supermodu-larity and Complementarity (1998); * Game Theory: R. Gibbons, Game Theory for Applied Economists (1992); * M. Osborne and A. Rubinstein, A Course in Game Theory| (1994); D. Fudenberg and J. Tirole, Game Theory (1991).   The texts will be supplemented with journal articles and current affairs readings drawn from daily newspapers and other internet sources.  *Other supplementary materials will be uploaded on the SEMS.* | | |

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| **The detailed plan of work:** | |
| **Week** | **Topic** |
| ***Week 1*** | Technology: Hal Varian, Chapter 1 |
| ***Week 2*** | Profit Maximisation: Hal Varian, Chapter 2 |
| ***Week 3*** | Profit Function: Hal Varian, Chapter 3 |
| ***Week 4*** | Cost Minimisation: Hal Varian, Chapter 4 |
| ***Week 5*** | Cost Funaction: Hal Varian, Chapter 5 |
| ***Week 6*** | Duality: Hal Varian, Chapter 6  ***Assignment 1 (handed out; two weeks)*** |
| ***Week 7*** | Utility Maximisation: Hal Varian, Chapter 8 |
| ***Week 8*** | Choice: Hal Varian, Chapter 9  ***Midterm Exam*** |
| ***Week 9*** | Demand: Hal Varian, Chapter 10 |
| ***Week 10*** | Consumer’s Surplus: Hal Varian, Chapter 11  Assignment 2 (handed out; two weeks) |
| ***Week 11*** | Uncertainty: Hal Varian, Chapter 16 |
| ***Week 12*** | Competitive Markets: Hal Varian, Chapter 13 |
| ***Week 13*** | Monopoly: Hal Varian, Chapter 14 |
| ***Week 14*** | Game Theory and Oligopoly***:*** Hal Varian, Chapter 15 and 16 |
| ***Week 15*** | ***Presentation of Assignment 2*** |

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| **Academic policies and code of conduct:** |
| **Quiz and exam related issues**  There will be no makeup or early exams given. Please do not miss any quizzes or exams without a valid and documented excuse in advance otherwise you will receive a 0 for that quiz or exam. Please check UP policy for valid reasons (documented medical illness that prevents you from taking the exam, a death in your immediate family, or a documented mandatory participation in trainings for KSF members).  You can only take the Final Exam at an alternative time if you present me with a valid document from an advisor verifying that you have at least 3 exams within 24 hours. Please check UP policy on this matter.  **Cheating**  All work and materials that you submit to the instructor for a grade must be your own work. Copying the work of others, using unapproved materials during exams and quizzes, or taking credit for work that you did not actually do is considered cheating and will not be tolerated.  **Other**   * Please read the chapters before you come to class. * Come to class on time * Respect your classmates and don’t forget, they are here to learn. * If you do not understand what I am saying, stop me and ask questions. * Do not talk to your neighbors during class. It distracts the students around you, and it distracts me. * Try to participate during lectures and tutorials. * Please do not send e-mails trying to negotiate the final grade as this will only have a negative influence on my decision.   **I reserve the right to ask you to leave class for the day if you violate any of the above policies.**  **Additional information**  Students are expected to attend all scheduled lessons. Regardless of the reason, students may have no more than 3 un-excused absences before their grade is affected. Each un-excused absence after 3 will lower the student’s course grade by one grade. This is mandatory policy--there will be **no exceptions** to this rule and attendance will be taken on a lecture basis. Additionally, students are expected to come to class prepared to participate in the lesson and take notes. Students should bring to every *tutorial* a notebook and a pen or pencil. Smart (mobile) phones and similar electronic devices should be switched off and put away at the beginning of class. Students whose phones or similar devices disrupt class due to excessive ringing or similar behavior will be asked to leave the class and will be marked as absent for the day (will receive no credit for the lesson). Finally students who have special needs related to poor eyesight, learning disabilities, or any similar issue should contact the professor at the beginning of the term so that arrangements can be made to provide the necessary assistance |