ADVANCED MICROECONOMICS I
ECONOMICS EC3382A-001
Department of Economics
Western University

September, 2014

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Office Hours: Tue 3:00–5:00 p.m. at SSC 4017
Class meeting times & location: Mon 1:30–2:30 p.m., Wed 1:30–3:30 p.m. at UCC 58
Course website: https://owl.uwo.ca/portal
Undergraduate inquiries: 519-661-3507, SSC 4075, or econugrd@uwo.ca

Registration

You are responsible for ensuring you are registered in the correct courses. If you are not registered in a course, the Department will not release any of your marks until your registration is corrected. You may check your timetable by using the Login on the Student Services website at https://studentservices.uwo.ca/secure/index.cfm. If you notice a problem, please contact your home Faculty Academic Counsellor immediately.

Prerequisite Note

The prerequisites for this course are Economics 2261A/B; and Economics 2210A/B, OR both of Linear Algebra 1600A/B and Calculus 1501A/B. Calculus 1301A/B with a mark of at least 85% will be allowed as a substitute for Calculus 1501A/B.

You are responsible for ensuring that you have successfully completed all course prerequisites, and that you have not taken an anti-requisite course. Lack of prerequisites may not be used as a basis for appeal. If you are found to be ineligible for a course, you may be removed from it at any time and you will receive no adjustment to your fees. This decision cannot be appealed.

If you find that you do not have the course prerequisites, it is in your best interest to drop the course well before the end of the add/drop period. Your prompt attention to this matter will not only help protect your academic record, but will ensure that spaces become available for students who require the course in question for graduation.

Evaluation

Problem sets (total of 8; the problem set with the worst score will not count): 20%
Midterm (Wednesday October 29 in class): 30%
Final (TBA): 50%
Course Objectives

This course is an introduction to game theory, which studies strategic interactions between rational agents. The focus of the course will be non-cooperative static and dynamic games with perfect and imperfect information.

Learning Outcomes

As a result of taking this course the students will gain a deep understanding of the game-theoretic concepts and methods. The students will be able to apply these concepts and tools to analyze real life economic and social situations that involve strategic interaction. The students will also be well prepared to take more advanced courses in modern microeconomic theory, to take applied courses where game-theoretic methods are used, and to develop game-theoretic models for their senior thesis projects.

Text

The required textbook for this course:
Osborne, Martin J. (2004): An Introduction to Game Theory, Oxford University Press.
There is a website that accompanies the textbook (in particular, you can find there solutions to selected problems):
http://www.economics.utoronto.ca/osborne/igt/index.html

Problem Sets

There will be eight problem sets for this course. They will be posted in advance on the course information website. The problem sets are due on the following dates in class: September 24 (Problem set #1), October 1 (#2), October 15 (#3), October 22 (#4), November 12 (#5), November 19 (#6), November 26 (#7), and December 3 (#8). No late problem sets will be accepted.
You can work on the problem sets in groups. However each student is supposed to submit an individual problem set and list the names of the people in his/her study group. The problem set with the worst score will not count for the calculation of the final mark.

Topics

1. Static games with perfect information (Chapters 1-4).
2. Dynamic games with perfect information (Chapters 5-7).
3. Static games with imperfect information (Chapter 9).
4. Dynamic games with imperfect information (Chapter 10).
5. Cooperative game theory (Chapter 8).

Note

There will be no class on Monday October 13 (Thanksgiving).
Please Note
Department Policies for 2014 – 2015

Remember that the University expects all students to take responsibility for their own academic Programs. Also remember to check your registration to make sure you are enrolled in the correct courses.

1. Guidelines and policies for the Faculty of Social Science and the Department of Economics are posted online in the current Western Academic Calendar at http://westerncalendar.uwo.ca.


3. Cheating as an academic offence: Students are responsible for understanding what it means to “cheat”. The Department of Economics treats cheating incidents very seriously and will investigate any suspect behavior. Students found guilty will incur penalties that could include a failing grade or being barred from future registration in other economics courses or programs. The University may impose further penalties such as a notation on your official academic transcript, suspension or expulsion.

4. Plagiarism: Students must write their essays and assignments in their own words. Whenever students take an idea or a passage from another author, they must acknowledge it by using quotation marks where appropriate and referencing with footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the current UWO Academic Calendar at http://westerncalendar.uwo.ca/2014/pg113.html).

   The University of Western Ontario uses software to check for plagiarism and students may be required to submit their written work in electronic form. Those found guilty will have penalties imposed as noted in point 3.

5. It is Department of Economics policy that NO assignments be dated, stamped or accepted by staff. Students are responsible for submitting assignments in class or to the instructor during office hours.

6. When appealing a mark, students should refer to the University’s Procedures in the current UWO Academic Calendar (http://westerncalendar.uwo.ca/2014/pg112.html). Please note the relevant deadlines.

   The Department will not consider any appeal unless an attempt has been made to settle the matter first with your instructor. If after this discussion you remain dissatisfied with a grade or other decision, you may proceed with a written appeal (e-mails are not acceptable) to the Undergraduate Director in Economics, stating the reasons for your appeal. A useful form and checklist is provided at (http://economics.uwo.ca/undergraduate/program_counselling/responsibilities_policies.html#appeals).
7. Systematic adjustments of a class grade distribution (either up or down) can occur in Economics courses. The fact that grades have been adjusted is not grounds for an appeal.

8. Note the following add and drop deadlines:

   Last day to **add** a full course or First term half course:  
   **Friday, September 12th, 2014**

   Last day to **drop** second term half course without academic penalty:  
   **Wednesday, November 5th, 2014**

9. Faculty of Social Science policy states that oversleeping or misreading an exam schedule is not an excuse for a make-up. This rule applies to all mid-term tests and final exams in the Department of Economics.

   **Policy Regarding Makeup Tests and Final Examinations**

   **Academic Accommodation will not be granted automatically on request. You must demonstrate by documentation that there are compelling medical or compassionate grounds before academic accommodation will be considered.**

   If you decide to write a test or an examination, you must be prepared to accept the mark you earn. Rewriting tests or examinations, or having the value of the test or examination reweighted on a retroactive basis, is **not** permitted. Book airline flights after you know the dates of your final examinations. Airline flights must not conflict with test or final exams.

   If you are requesting a makeup test for a midterm or a final examination, unless medically incapable, notify your instructor by email or phone, preferably prior to the scheduled date of the test, but definitely within **24 hours** of the date of the test or exam. Failure to follow this procedure may result in denial of a request for academic accommodation or result in a grade of zero. Set up an appointment as soon as possible to meet personally with your instructor. If the instructor is not available, you may send an email message, copying the Undergraduate Coordinator at econugrd@uwo.ca (Social Science Room 4075). Notifying your instructor of a missed test or exam does not automatically entitle you to a makeup test.

   Students who seek a makeup test or examination must provide medical or other relevant verification that their absence from a regularly scheduled test or examination is beyond their control. Documentation must support your reasons. Medical documentation should be given to the Academic Counselling Office of your home Faculty as soon as possible (preferably within 24 hours of the test) if you know you may not be able to write your final examination on the scheduled day and time. Failure to follow this procedure, or to provide supporting documentation, may result in denial of a request for academic accommodation or result in a grade of zero. If your documentation is not acceptable, you will be given a zero for the missed test.

   For personal illness, if you consult Student Health Services regarding your illness or personal problem, you should request a Student Medical Certificate from the physician. If
you were seen by an off-campus doctor, obtain a certificate from his/her office at the time of your visit. The off-campus medical certificate form must be used and can be found at: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf. Notes stating "For Medical Reasons" are not considered sufficient.

For any other circumstances, if you are not sure what documentation to provide, ask your Academic Counselor. If your documentation is judged sufficient, the academic counselor will issue a Recommendation for a Special Examination (a single form for midterms or a triple color form for final examinations). Once you have this form, contact your instructor as soon as possible to make arrangements. Even if approved from your home faculty Academic Counsellor, there is no guarantee that you will be allowed to write the makeup test and exam.

For final examinations, you need permission from your home Faculty Counsellor, your instructor, and the Department Undergraduate Director. Failure to follow this procedure may result in an examination grade of zero. You must ensure that the Special Examination form has been signed by the instructor and Department Undergraduate Director and that the form is returned to the Academic Counseling Office for approval without delay. Make-up final examinations, if permitted, will be written within one month of the end of the exam period.

Policies Regarding Academic Accommodation

Information about the Faculty of Social Science’s policies regarding academic accommodation is found on its website at http://counselling.ssc.uwo.ca/procedures/havingproblems.asp or in Social Science Room 2105. Your “Academic Rights and Responsibilities” are also outlined in the current UWO Calendar at http://westerncalendar.uwo.ca/2014/pg111.html. Claiming that “you didn’t know what to do” is not an acceptable excuse for not following the stated procedures.

Policy Regarding Class Attendance

If your instructor views your class attendance as unsatisfactory, you can be prohibited from writing the final examination. If there is intent to make use of this University policy, you will be notified in writing.

Statement on Mental Health and Support Services

If you or someone you know is experiencing emotional/mental distress, there are several resources here at Western to assist you. Please visit http://www.uwo.ca/uwocom/mentalhealth/ for more information and a complete list of resources, as well as how to obtain help.