Economics 757(L01) (Microeconomic Theory II)

Instructor: Dimitri Migrow                                                    Lecture Location: SS423
Phone: 403 220 6796                                                    Lecture Days/Time: MW 11:00-12:15
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Office: SS448
Office Hours: tba                                               (Winter 2020)

Course Description:
This is the second course in the PhD Micro sequence. We focus on non-cooperative game theory and
develop methods to analyze how agents' make decisions which are influenced by the decisions of other
agents. We apply game theory to analyze strategic and informational issues.
The more detailed course description follows in the first week of the course.

Course Outcomes:
By the end of the course, students will be able to solve for and characterize the properties of the
equilibria of standard models in game theory and information economics, as well as apply the tools of
microeconomic theory to interesting problems in economics.

Course Outline:
1. Simultaneous Games of Complete Information
2. Simultaneous Games of Incomplete Information
3. Extensive Games of Complete Information
4. Extensive Games of Incomplete Information
5. Information Design and Communication
6. Signalling and Screening

The detailed course outline is provided in the first lecture.

Prerequisites/corequisites:
Econ 707

Required Textbook(s):
An Introduction To Game Theory (Osborne)
Microeconomic Theory (Mas-Collel, Whinston, Green)
A Course in Game Theory (Osborne and Rubinstein)

Recommended Textbook(s):
Game Theory (Fudenberg and Tirole)
Advanced Microeconomic Theory (Jehle and Reny)
Game Theory for Applied Economists (Gibbons)
Books on Reserve:
An Introduction To Game Theory (Osborne)
Microeconomic Theory (Mas-Collel, Whinston, Green)

Desire2Learn:
This course will make use of the Desire2Learn (D2L) platform. Students who are registered in the course can log on at http://d2l.ucalgary.ca through their student centre. Please note that D2L features a class e-mail list that may be used to distribute course-related information. These e-mails go to your University of Calgary e-mail addresses only.

Grade Determination/Assessment:

Assignments 20%
Midterm I (TBA) 15%
Midterm II (TBA) 15%
Final 50%

Grade Determination and Final Examination Details
Department of Economics Criteria for Letter Grades. Economics professors use the following criteria when assigning letter grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Point Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4.00</td>
<td>Outstanding</td>
</tr>
<tr>
<td>A</td>
<td>4.00</td>
<td>Excellent-superior performance, showing-comprehensive understanding of subject matter</td>
</tr>
<tr>
<td>A-</td>
<td>3.70</td>
<td>Very good performance</td>
</tr>
<tr>
<td>B+</td>
<td>3.30</td>
<td>Good performance</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td>Satisfactory performance</td>
</tr>
<tr>
<td>B-</td>
<td>2.70</td>
<td>Minimum pass for students in the Faculty of Graduate Studies</td>
</tr>
<tr>
<td>C+</td>
<td>2.30</td>
<td>All grades below “B-” are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements. Individual programs may require a higher passing grade.</td>
</tr>
</tbody>
</table>

A passing grade on any particular component of the course is not required for a student to pass the course as a whole.

There will be a department scheduled final examination, held in a classroom, lasting 2 hours. Non-programmable calculators WILL NOT be allowed during the writing of tests or final examinations.

Tests and exams WILL NOT involve multiple choice questions.

Midterm date: tba in the first day of the class
Absence from a Test/Exam

THERE WILL BE NO MAKEUP OR DEFERRED QUIZZES under any circumstances, nor may the quizzes be written early. Students unable to write the quizzes because of documented illness, family emergency, religious observance, or university-sanctioned event will have the weight shifted to the final examination; otherwise a grade of zero will be assigned. If a student cannot write their final exam on the date assigned by the Department, they need to arrange for a deferred exam with the department.

Reappraisal of Grades and Intellectual Honesty:
For reappraisal of graded term work, see Calendar I.2
http://www.ucalgary.ca/pubs/calendar/current/i-2.html

For reappraisal of final grade, see Calendar I.3
http://www.ucalgary.ca/pubs/calendar/current/i-3.html

Statement of Intellectual Dishonesty, see Calendar K.4
http://www.ucalgary.ca/pubs/calendar/current/k-4.html

Plagiarism and Other Academic Misconduct, see Calendar K.5
http://www.ucalgary.ca/pubs/calendar/current/k-5.html

Academic Accommodations:
Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor. The full policy on Student Accommodations is available at http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf.

Freedom of Information and Protection of Privacy (FOIP) Act:
Personal information is collected in accordance with FOIP. Assignments can only be returned to the student and will be accessible only to authorized faculty and staff. For more information, see http://www.ucalgary.ca/legalservices/files/legalservices/faq-students.pdf and http://www.ucalgary.ca/legalservices/files/legalservices/faq-faculty_0.pdf.

Internet and Electronic Communication Device information:
The use of cell phones for any purpose in class is prohibited. Computers and tablets may be used for note taking only unless otherwise authorized by the instructor.

Copyright Legislation:
See the University of Calgary policy on Acceptable Use of Material Protected by Copyright at www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf. Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Important Dates:
Please check: http://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html
Student Organizations:
Faculty of Grad Studies website:  http://grad.ucalgary.ca/home
Graduate Students Association: http://gsa.ucalgary.ca/
Professional Development for Grad Students
  Workshops and resources can be found at http://www.ucalgary.ca/mygradskills/
Economics Graduate Association: http://econ.ucalgary.ca/ega/

Student Support and Resources:
  • See https://www.ucalgary.ca/registrar/registration/course-outlines for information on campus
    mental health resources, the Student Ombuds’ Office, Student Success Centre, Safewalk, and
    Emergency Evacuation and Assembly.
  • Online writing resources are available at https://ucalgary.ca/student-services/student-
    success/writing-support.
  • For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact
    Enrolment Services at 403-210-ROCK [7625] or visit them in the MacKimmie Library Block.

Notes:
Students are responsible for all assigned material, e.g., supplementary material posted on D2L,
  regardless of whether or not the material was covered in class.

DM
2019-12-02