COURSE INFORMATION
Huron University College, Winter 2019
Economics 2179B
Classroom: HC-V207
Time: Wednesday 7:00-10:00

INSTRUCTOR’S INFORMATION
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Office: V132
Office Hours: TBD

Prerequisite(s): Economics 1021A/B and Economics 1022A/B.

COURSE DESCRIPTION
Game theory is concerned with the analysis of situations involving conflict and cooperation. This course will develop the key concepts and models within the subject. This will include coverage of static and dynamic complete information games for which Nash and subgame perfect equilibria are the solution concepts. Further, the course will also cover incentive mechanism design and include a discussion of adverse selection and moral hazard. Game theory can be applied broadly, and so this class will draw upon applications from economics, political science and evolutionary biology.

COURSE OBJECTIVES
- Students will become familiar with the basic technical concepts and methods required to do formal game theory.
- Students will apply game theoretic concepts to real world situations in economics, public policy, political economy, and biology.
- Students will develop their ability to assess strategic situations, to make choices with in these contexts, and to predict the behaviours of others involved.

CLASS METHODS
This class will be a “flipped” classroom. Online lectures will be assigned for homework. Classroom time will be devoted to review and application of this material though course problems and other in-class activities.
There is no official textbook for this course. We will be using online resources for the majority of the class. Here is a list of texts that could be helpful for topics in this course:


COURSE EVALUATION

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Assignment</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>Problem Set 1</td>
<td>Wednesday, February 6, 2019</td>
</tr>
<tr>
<td>25%</td>
<td>Midterm</td>
<td>Wednesday, February 27, 2019</td>
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<tr>
<td>5%</td>
<td>Problem Set 2</td>
<td>Wednesday, March 27, 2019</td>
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<tr>
<td>65%</td>
<td>Final Exam</td>
<td>During the Exam Period (April 11 – 30, 2019)</td>
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</tbody>
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Participation (alternative grade scheme)

Participation in this course is vital. This course will make use of in-class activities that will (hopefully) bring the concepts to life. Your presence for these activities is necessary for classroom learning. Of equal importance is the conversation and discussion that will take place within our class as we think through strategic situations.

As such I would like to incentivize participation by offering an alternative grading scheme with 15% given to participation and 50% given to the final exam.

Note that participation and attendance are not equivalent and you will be graded on your attendance, preparation for class, and frequency and quality of your engagement. You will be afforded one “free” missed class.

You will be given the opportunity to opt in to a participation grade at the beginning of class. This is a irreversible decision.

TENTATIVE COURSE TOPICS

1) Games with Perfect Information: Static Games
   a) Best Response
   b) Nash Equilibrium
   c) Mixed Strategies
   d) Evolutionary Stability
2) Games with Perfect Information: Dynamic Games
   a) Sequential Games, Backward Induction, Commitment
3) Games with Imperfect Information
   a) Subgame Perfection
   b) Repeated Gamers
   c) Signalling
   d) Auctions
Appendix to Course Outlines

Prerequisite and Antirequisite Information
Students are responsible for ensuring that they have successfully completed all course prerequisites and that they have not completed any course antirequisites. Unless you have either the requisites for this course or written special permission from your Dean to enrol in it without them, you may be removed from this course and it will be deleted from your record. If you enrol in this course despite having already taken an antirequisite you may be removed from this course and it will be deleted from your record. Removals for these reasons may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites or for having already taken the antirequisites.

Conduct of Students in Classes, Lectures, and Seminars
Membership in the community of Huron University College and the University of Western Ontario implies acceptance by every student of the principle of respect for the rights, responsibilities, dignity and well-being of others and a readiness to support an environment conducive to the intellectual and personal growth of all who study, work and live within it. Upon registration, students assume the responsibilities that such registration entails. The academic and social privileges granted to each student are conditional upon the fulfillment of these responsibilities.

In the classroom, students are expected to behave in a manner that supports the learning environment of others. Students can avoid any unnecessary disruption of the class by arriving in sufficient time to be seated and ready for the start of the class, by remaining silent while the professor is speaking or another student has the floor, and by taking care of personal needs prior to the start of class. If a student is late, or knows that he/she will have to leave class early, be courteous: sit in an aisle seat and enter and leave quietly.

Please see the Code of Student Conduct at:
https://huronuc.on.ca/sites/default/files/pdfs/Code%20of%20Student%20Conduct.pdf

Technology
It is not appropriate to use technology (such as, but not limited to, laptops, cell phones) in the classroom for non-classroom activities. Such activity is disruptive and is distracting to other students and to the instructor, and can inhibit learning. Students are expected to respect the classroom environment and to refrain from inappropriate use of technology and other electronic devices in class.

Academic Accommodation for Medical/Non-Medical Grounds
Students who require special accommodation for tests and/or other course components must make the appropriate arrangements with the Student Development Centre (SDC). Further details concerning policies and procedures may be found at:
http://www.sdc.uwo.ca/ssd/?requesting_acc

(a) Medical Grounds for assignments worth 10% or more of final grade: Go Directly to Academic Advising
University Senate policy, which can be found at
http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf,
requires that all student requests for accommodation on medical grounds for assignments worth 10% or
more of the final grade be made directly to the academic advising office of the home faculty (for Huron
students, the “home faculty” is Huron), with supporting documentation in the form (minimally) of the
Senate-approved Student Medical Certificate found at:

The documentation is submitted in confidence and will not be shown to instructors. The advisors will
contact the instructor when the medical documentation is received, and will outline the severity and
duration of the medical challenge as expressed on the Student Medical Certificate and in any other
supporting documentation. The student will be informed that the instructor has been notified of the
presence of medical documentation, and will be instructed to work as quickly as possible with the
instructor on an agreement for accommodation. The instructor will not normally deny accommodation
where appropriate medical documentation is in place and where the duration it describes aligns with the
due date(s) of assignment(s). Before denying a request for accommodation on medical grounds, the
instructor will consult with the Dean. The instructor’s decision is appealable to the Dean.

(b) Accommodation on Medical Grounds for assignments worth less than 10% of final grade:
Consult Instructor Directly

When seeking accommodation on medical grounds for assignments worth less than 10% of the final
course grade, the student should contact the instructor directly. The student need only share broad outlines
of the medical situation. The instructor may require the student to submit documentation to the academic
advisors, in which case she or he will advise the student and inform the academic advisors to expect
documentation. The instructor may not collect medical documentation. The advisors will contact the
instructor when the medical documentation is received, and will outline the severity and duration of the
medical challenge as expressed on the Student Medical Certificate and in any other supporting
documentation. The student will be informed that the instructor has been notified of the presence of
medical documentation, and will be instructed to work as quickly as possible with the instructor on an
agreement for accommodation. The instructor will not normally deny accommodation where appropriate
medical documentation is in place and where the duration it describes aligns with the due date(s) of
assignment(s). Before denying a request for accommodation on medical grounds, the instructor will
consult with the Dean. The instructor’s decision is appealable to the Dean.

(c) Non-medical Grounds: Consult Instructor Directly

Where the grounds for seeking accommodation are not medical, the student should contact the instructor
directly. Late penalties may apply at the discretion of the instructor. Apart from the exception noted
below, academic advisors will not be involved in the process of accommodation for non-medical reasons.

Where a student seeks accommodation on non-medical grounds where confidentiality is a concern, the
student should approach an academic advisor with any documentation available. The advisors will contact
the instructor after the student’s request is received, and will outline the severity and duration of the
challenge without breaching confidence. The student will be informed that the instructor has been notified
that significant circumstances are affecting or have affected the student’s ability to complete work, and
the student will be instructed to work as quickly as possible with the instructor on an agreement for
accommodation. Before denying a request for accommodation where documentation has been submitted
to an academic advisor, the instructor will consult with the Dean. The instructor’s decision is appealable
to the Dean.
Statement on Academic Offences
Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:
http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

Statement on Academic Integrity
The International Centre for Academic Integrity defines academic integrity as "a commitment, even in the face of adversity, to five fundamental values: honesty, trust, fairness, respect, and responsibility. From these values flow principles of behaviour that enable academic communities to translate ideals to action." (CAI Fundamental Values Project, 1999).
A lack of academic integrity is indicated by such behaviours as the following:
- Cheating on tests;
- Fraudulent submissions online;
- Plagiarism in papers submitted (including failure to cite and piecing together unattributed sources);
- Unauthorized resubmission of course work to a different course;
- Helping someone else cheat;
- Unauthorized collaboration;
- Fabrication of results or sources;
- Purchasing work and representing it as one’s own.

Academic Integrity: Importance and Impact
Being at university means engaging with a variety of communities in the pursuit and sharing of knowledge and understanding in ways that are clear, respectful, efficient, and productive. University communities have established norms of academic integrity to ensure responsible, honest, and ethical behavior in the academic work of the university, which is best done when sources of ideas are properly and fully acknowledged and when responsibility for ideas is fully and accurately represented.

In the academic sphere, unacknowledged use of another’s work or ideas is not only an offence against the community of scholars and an obstacle to academic productivity. It may also be understood as fraud and may constitute an infringement of legal copyright.

A university is a place for fulfilling one's potential and challenging oneself, and this means rising to challenges rather than finding ways around them. The achievements in an individual’s university studies can only be fairly evaluated quantitatively through true and honest representation of the actual learning done by the student. Equity in assessment for all students is ensured through fair representation of the efforts by each.

Acting with integrity at university constitutes a good set of practices for maintaining integrity in later life. Offences against academic integrity are therefore taken very seriously as part of the university’s work in preparing students to serve, lead, and innovate in the world at large.

A university degree is a significant investment of an individual’s, and the public’s, time, energies, and resources in the future, and habits of academic integrity protect that investment by preserving the university’s reputation and ensuring public confidence in higher education.

Students found guilty of plagiarism will suffer consequences ranging from a grade reduction to failure in the course to expulsion from the university. In addition, a formal letter documenting the
offence will be filed in the Dean’s Office, and this record of the offence will be retained in the Dean’s Office for the duration of the student’s academic career at Huron University College.

All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com.

Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

Personal Response Systems (“clickers”) may be used in some classes. If clickers are to be used in a class, it is the responsibility of the student to ensure that the device is activated and functional. Students must see their instructor if they have any concerns about whether the clicker is malfunctioning. Students must use only their own clicker. If clicker records are used to compute a portion of the course grade:
- the use of somebody else’s clicker in class constitutes a scholastic offence,
- the possession of a clicker belonging to another student will be interpreted as an attempt to commit a scholastic offence.

Policy on Special Needs
Students who require special accommodation for tests and/or other course components must make the appropriate arrangements with the Student Development Centre (SDC). Further details concerning policies and procedures may be found at:
http://www.sdc.uwo.ca/ssd/?requesting_acc

Attendance Regulations for Examinations
A student is entitled to be examined in courses in which registration is maintained, subject to the following limitations:
1) A student may be debarred from writing the final examination for failure to maintain satisfactory academic standing throughout the year.
2) Any student who, in the opinion of the instructor, is absent too frequently from class or laboratory periods in any course will be reported to the Dean of the Faculty offering the course (after due warning has been given). On the recommendation of the Department concerned, and with the permission of the Dean of that Faculty, the student will be debarred from taking the regular examination in the course. The Dean of the Faculty offering the course will communicate that decision to the Dean of the Faculty of registration.

Class Cancellations
In the event of a cancellation of class, every effort will be made to post that information on the Huron website, https://huronuc.on.ca/about/accessibility (“Cancellations and Closures”).

Mental Health @ Western
Students who are in emotional/mental distress should refer to Mental Health @ Western http://www.uwo.ca/uwocom/mentalhealth/ for a complete list of options about how to obtain help.

Academic Advising
For advice on course selections, degree requirements, and for assistance with requests for medical accommodation [see above], students should contact an Academic Advisor in Huron’s Student Support
Services (huronsss@uwo.ca). An outline of the range of services offered is found on the Huron website at: https://huronuc.ca/student-life-campus/student-services/academic-advising

Department Chairs and Program Directors and Coordinators are also able to answer questions about their individual programs. Their contact information can be found on the Huron website at: https://huronuc.ca/student-life-campus/art-social-science