Intermediate Microeconomic Theory I  
ECONOMICS EC2150A-001  
Department of Economics  
Western University  
May 2019

Instructor: Mohammad Iftekher Hossain

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E-mail : mhossa87@uwo.ca
Office Hours : Monday and Thursday, 6-7pm
Class Time & Location : Tuesday and Thursday, 7-10 pm, SSC 3024
Course website : http://owl.uwo.ca
Undergraduate inquiries : 519-661-3507, SSC Room 4075, or econugrd@uwo.ca

Registration
You are responsible for ensuring you are registered in the correct courses. If you are not registered in 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://student.uwo.ca. If you notice a problem, please contact your home Faculty Academic Counsellor immediately.

Prerequisite Note
Antirequisite(s): Economics 2260A/B.
Prerequisite(s): Economics 1021A/B and Economics 1022A/B; and one of MCV4U, Mathematics 0110A/B, Calculus 1000A/B, Calculus 1500A/B, Mathematics 1225A/B, or Mathematics 1230A/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 pre-requisites 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.

Course Description
The course discusses the theories of the behavior of consumers and firms and the theory of competitive markets using key microeconomic tools of constrained optimization, equilibrium analysis, and
comparative static theory. The course requires knowledge about linear and non-linear functions and calculus of functions of several variables to understand the related concepts.

**Course Learning Outcomes**

After completing this course, students are expected to be able to:

- explain consumers’ and producers’ behavior theoretically and mathematically;
- explain consumer’s and a producer’s choices subject to constraints;
- solve constrained optimization problems;
- derive demand and supply curves for the entire market for a commodity;
- identify the characteristics of a perfectly competitive market, apply the concepts of equilibrium and comparative statics analysis;
- evaluate the impact of government regulations on the perfectly competitive markets.

**Course Materials**


**Recommended online materials:** (Undergraduate Resources, Economics, UWO) https://economics.uwo.ca/undergraduate/undergraduate_resources/math_resources_for_ec_2100_required_courses_.html

**Assessment**

The final grade will be determined by one in-class midterm and one final exam.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Date</th>
<th>Time</th>
<th>Syllabus</th>
<th>Type of exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm</td>
<td>40%</td>
<td>May 28</td>
<td>7.00 PM -8:30 PM</td>
<td>Ch. 1-Ch. 6</td>
<td>MCQ</td>
</tr>
<tr>
<td>Final Exam</td>
<td>60%</td>
<td>June 15</td>
<td>6:00 PM -8:00 PM</td>
<td>Ch. 1-Ch. 10</td>
<td>MCQ</td>
</tr>
</tbody>
</table>

Each student requires to bring his/her current UWO student ID card, a pencil, a pen, a ruler, and a non-programmable calculator to all examinations. Graphing calculators and cell phone calculators are strictly prohibited.
Course Outline

Introduction to Microeconomics
Ch. 1 – Analyzing Economic Problems: Constrained Optimization, Equilibrium Analysis, Comparative Statics Analysis
Ch. 2 – Demand and Supply Analysis: Introduction to Demand and Supply Curves, Market Equilibrium

Consumer Theory
Ch. 3 – Consumer Preferences and the Concept of Utility: Consumer Preferences, Utility Functions
Ch. 4 – Consumer Choice: Budget Constraints, Optimal Choice, Revealed Preference
Ch. 5 – The Theory of Demand: Optimal Choice, Income and Substitution Effects, Consumer Surplus, Market Demand, Elasticities

Production and Cost Theory
Ch. 6 – Inputs and Production Functions: Production Functions; Substitutability among Inputs; Returns to Scale
Ch. 7 – Costs and Cost Minimization: Cost Concepts, Cost Minimization
Ch. 8 – Cost Curves: Construction of Total, Average and Marginal Cost Curves

Perfect Competition
Ch. 9 – Perfectly Competitive Markets: Perfect Competition, Profit Maximization, Market Price Determination
Ch. 10 – Competitive Markets: Applications
Taxes and Subsidies, Price Regulations, Production Quotas, Price Supports, Import Quotas and Tariffs

Policy Regarding Missed Exams
Accommodation for a missed midterm will be granted with approved documentation only. The format of the make-up midterms will be different from the regularly scheduled midterms.

Grading
Grading will be based on the total points earned by the end of the semester. Midterm exam will contribute 40 percent of the points possible, and a cumulative final exam will contribute 60 percent of the points possible. University and Departmental guidelines for grading will be strictly followed.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Scale</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>90-100</td>
<td>One could scarcely expect better from a student at this level</td>
</tr>
<tr>
<td>A</td>
<td>80-89</td>
<td>Superior work that is clearly above average</td>
</tr>
<tr>
<td>B</td>
<td>70-79</td>
<td>Good work, meeting all requirements, and eminently satisfactory</td>
</tr>
<tr>
<td>C</td>
<td>60-69</td>
<td>Competent work, meeting requirements</td>
</tr>
<tr>
<td>D</td>
<td>50-59</td>
<td>Fair work, minimally acceptable</td>
</tr>
<tr>
<td>F</td>
<td>&lt;50</td>
<td>Fail</td>
</tr>
</tbody>
</table>
Please Note

Department Policies for Summer 2019

Remember that the University expects all students to take responsibility for their own Academic Programs. Students should also check their registration to ensure they 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 an official academic transcript, suspension or expulsion.

4. **Plagiarism:** Students must write their essays and assignments in their own words. When taking an idea/passage from another author, it must be acknowledged with quotation marks where appropriate and referenced with footnotes or citations. Plagiarism is an academic offence (see Scholastic Discipline for Undergraduate Students in the Western Calendar at http://westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page_20).

Western University uses software to check for plagiarism and students may be required to electronically submit their work. Those found guilty will be penalized as noted in point 3.

5. It is a Department of Economics policy that **NO** assignments be dated, stamped or accepted by staff. Students must submit assignments in class or to the instructor during office hours.

6. When appealing a mark, students should refer to the Student Academic Appeals section in the current Western Academic Calendar at: http://westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page_14

   Please note the relevant deadlines.

   The Department will not consider an appeal unless an attempt has been made to settle the matter with the instructor first. Students who remain dissatisfied with the outcome may proceed with a written appeal (e-mails are not acceptable) to the Undergraduate Director in Economics, stating the reasons for their appeal. A 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:

<table>
<thead>
<tr>
<th>Session</th>
<th>Deadline to Add a Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance Studies</td>
<td>Friday May 10, 2019</td>
</tr>
<tr>
<td>Intersession</td>
<td>Tuesday May 14, 2019</td>
</tr>
<tr>
<td>Summer Evening (first term)</td>
<td>Friday May 10, 2019</td>
</tr>
<tr>
<td>Summer Evening (second term)</td>
<td>Friday June 21, 2019</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session</th>
<th>Deadline to Drop a Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance Studies</td>
<td>Monday June 10, 2019</td>
</tr>
<tr>
<td>Intersession</td>
<td>Monday June 3, 2019</td>
</tr>
<tr>
<td>Summer Evening (first term)</td>
<td>Monday June 3, 2019</td>
</tr>
<tr>
<td>Summer Evening (second term)</td>
<td>Monday July 15, 2019</td>
</tr>
</tbody>
</table>

9. Faculty of Social Science policy states that oversleeping or misreading an exam schedule is NOT grounds for a makeup. This rule applies to midterm and final exams in the Department of Economics.

Policy Regarding Makeup Tests and Final Examinations

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

Students who proceed to write a test or examination must be prepared to accept the mark. Rewriting tests or examinations, or having their value reweighted on a retroactive basis, is *not* permitted. Students must also book travel arrangements AFTER final exam dates have been posted as they must not conflict with test or final exams.

Unless medically incapable of doing so, students must notify their instructor prior to the test date or at least within **24 hours** when requesting a makeup exam. Failure to follow this procedure may result in denial of academic accommodation and a grade of zero. Students should also set up an appointment as soon as possible to meet with their instructor. If the instructor is not available, send an email message, copying the Undergraduate Coordinator at econugrd@uwo.ca. **Notifying instructors of a missed exam does not automatically entitle students to a makeup.**

Students who seek a makeup exam must also provide supporting medical or other relevant documentation that their absence from a scheduled test or exam is beyond their control. Documentation should be submitted to the Academic Counselling Office of the student’s **home** Faculty as **soon as possible (preferably within 24 hours of the scheduled test)**. Failure to follow this procedure may result in denial of academic accommodation and a grade of zero. If the documentation submitted is not acceptable, students will receive a zero for the missed test.

For personal illness, students may consult Student Health Services and request a Student Medical Certificate from the physician. If assessed by an off-campus doctor, students must obtain a certificate from his/her office at the time of the visit. The off-campus medical certificate form must also be used and can be found at: [http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf). **Notes stating "For Medical Reasons" are not considered sufficient.**
For religious or compassionate circumstances, students should ask their Academic Counsellor what documentation to provide. If documentation is judged sufficient, the Academic Counsellor will issue a Recommendation for a Special Examination (a single form for midterms or a triple-color form for final exams). Once students have this form, they must contact their instructor as soon as possible to make arrangements. Even if approved by their Academic Counsellor, there is no guarantee that students will be allowed to write the makeup test/exam.

For final examinations, students need to seek permission from their home Faculty Counsellor, Instructor, and the Department Undergraduate Director. Failure to follow this procedure may result in a grade of zero. Students 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 Counselling Office for approval without delay. If approved, makeup examinations will be written within one month of the end of the exam period.

**Policies Regarding Academic Accommodation**

The Faculty of Social Science’s policies regarding academic accommodation is found at [http://counselling.ssc.uwo.ca/procedures/having_problems/index.html](http://counselling.ssc.uwo.ca/procedures/having_problems/index.html). “Academic Rights and Responsibilities” are also outlined in the Western Calendar at [http://westerncalendar.uwo.ca/PolicyPages.cfm?PolicyCategoryID=1&command=showCategory&SelectedCalendar=Live&ArchiveID=](http://westerncalendar.uwo.ca/PolicyPages.cfm?PolicyCategoryID=1&command=showCategory&SelectedCalendar=Live&ArchiveID=). 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 the instructor deems a student’s class attendance as unsatisfactory, that student may be prohibited from writing the final examination. If there is intent to make use of this University policy, the student will be notified in writing.

**Statement on Mental Health and Support Services**

Students under emotional/mental distress should visit [http://uwo.ca/health/mental_wellbeing/](http://uwo.ca/health/mental_wellbeing/) for more information and a complete list of resources on how to obtain help.