

Economics 301(L01) Intermediate Economic Theory – Microeconomics

Instructor: Lucia Vojtassak
Phone: 403 220 6550 (limited access)
Email: lvojtass@ucalgary.ca

Lecture Location: ZOOM Delivery
Lecture Days/Time: MW 12:00 – 14:45

Office: ZOOM Delivery
Office Hours: TW 9:00 – 9:50 or by appointment

Spring 2020

Course Description:

This course is the first of a pair of courses designed to acquaint students with microeconomic theory. Microeconomics is concerned with a systematic understanding of the choices of individuals, firms, and organizations. It seeks to address the social consequences of the behaviour of economic agents. Economic theory provides the structure, or framework, for economic inquiry.

Course Learning Outcomes:

Students who successfully complete this course will:

(i) Develop expertise in the methodology of economic analysis. Economic theory has four elements that students are expected to master:

- (a) Students will become familiar with the foundation of economic reasoning. This involves a fundamental assumption—that individuals make choices based on their perception of their self-interest. The consequence of this assumption is that individual choices and actions depend on incentives. In turn, incentives depend on the interaction of preferences and constraints on time, income, technology, and ability. This framework explains how choices can be understood in terms of their incremental or marginal costs and benefits and how changing an individual's perception of either incremental costs or benefits will change behaviour.
- (b) Students will master equilibrium analysis which involves aggregating over the choices of individuals and ensuring that the choices of individuals are consistent—that what individuals plan to do they are in fact able to do. Equilibrium analysis underlies how economists explain resource allocation in the economy.
- (c) A key part of equilibrium analysis is comparative statics: asking how the equilibrium will change when conditions change.
- (d) Students will understand the strengths, limitations, and value judgments that underlie the notion of efficiency. Efficiency is the yardstick by which economists measure the social desirability of resource allocation.

These four elements of economic modeling are developed through their deployment in the topics considered.

- (ii) The Economist's View of the World and the Economic Way of Thinking. Scarcity and Its Management; Pareto Optimality and Gains from Trade; The Role of Prices and Markets; Institutional Foundation of Market Economies; Restrictions on Voluntary Trade; Success of Market Economies and Institutional Choice to Relax Scarcity Constraints.
- (iii) Consumer Theory: Axioms of Preferences; Budget Set; Optimal Choice and Derivation of a demand function; Marshallian and Hicksian demand functions; Income and Substitution Effects; Expenditure function; Measuring Welfare (CV, EV, Consumer Surplus); Applications.

(iv) Neoclassical Theory of the Firm. Characterization of Technological Possibilities; Opportunity Costs, Sunk Costs, Depreciation, the User Cost of Capital and Economic Profit; Profit Maximization; Cost Minimization Long and Short Run.

(v) Theory of Perfect Competition. Assumptions; Price Taking; Supply Curves; Short Run Equilibrium; Quasi-Rents versus Profits, Entry and Exit; Long-Run Industry Supply Curve; Ricardian Rents.

(vi) The Use and Usefulness of Economics in the Determination of Public Policy: Equity vs. Efficiency; Market Failure and the normative role for government (An Introduction to Econ 357)

Course Outline:

I Introduction to Microeconomic Analysis		
May 6, 2020	Introduction, The Economist's View of the World and the Economic Way of Thinking	Chapter 1
II Individual (Rational) Choice		
May 11 – May 27, 2020	Preferences Opportunities Optimal Choice Comparative Statics Applications	2-8, 14
III Theory of the Firm		
June 1 – June 10, 2020	Characterization of Technological Possibilities Profit Maximization Sunk Costs, Opportunity Costs, and Capital Cost Minimization: Long and Short Run Applications	19 - 23
IV The Competitive Model		
June 15 – June 17, 2020	Assumptions Short and Long Run Equilibrium Economic Rent Comparative Statics Applications	15, 16, 24
V The Use and Usefulness of Economics in the Determination of Public Policy		
June 17, 2020	Equity vs. Efficiency Market Failures– introduction to Econ 357	

Prerequisites/corequisites:

ECON 201 and ECON 203

Required Textbook(s):

Varian, H. 2014. *Intermediate Microeconomics* 9th edition. New York: Norton.

Recommended Textbook(s):

Optional

Roberts, R. 2001. *The Invisible Heart*. Cambridge: MIT Press.

Online Delivery:

This course will be delivered online. Students are expected to be able to participate online in accordance with this Course Outline. Lectures, assignments, office hours, exams, readings and other course material, etc. all require online access and this access is the responsibility of the student.

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.

Lectures:

Lectures will be delivered online at the Registrar scheduled times and delivered using ZOOM. The lectures will be recorded and subsequently posted to D2L.

Tutorials:

Students are expected to attend “virtually” the tutorial sections to which they have been assigned. Tutorials will be offered online, typically using ZOOM, but can involve moderated discussion boards and curated delivery of alternative online resources. During the tutorials, the TA will discuss pre-assigned questions and additional material relevant to the course that is not covered in lectures.

Grade Determination and Final Examination Details:

Test		15%	June 1, 2020
5 Assignments	5% each	25%	Due dates: May 13, May 20, May 27, June 8, and June 17.
2 Group Project	10% each	20%	
Final Examination		40%	
		100%	

The official grading system will be used. See <http://www.ucalgary.ca/pubs/calendar/current/f-1-1.html>.

Students must receive a passing grade on the final exam to pass the course.

If a student’s letter grade on the final exam exceeds their midterm(s) letter grade, the weight of the midterm(s) is (are) transferred to the final exam. The student must have written the midterm(s) or provided supporting documentation for the absence(s) such as a medical note or statutory declaration.

As per the Writing Across the Curriculum Statement in the Calendar, writing and grading thereof will be a factor in the evaluation of student work. See <https://www.ucalgary.ca/pubs/calendar/current/e-2.html>.

The final examination will be an open-book take-home exam. The exam will be available on D2L 24 hours before the end of the Registrar's scheduled final exam time. Students will hand in their exam in pdf format on D2L prior to the end of the scheduled completion time of their final exam using DropBox. The exam is intended to be completed in 2 hours. Students will have four hours to complete the exam, at the time of their choosing, within the 24 hour period.

The midterm exam will be an open-book take-home exam. The exam will be available on D2L. Students will download the exam from D2L, complete the exam, scan it, and submit using Dropbox in D2L. Students will have three hours to complete the exam, at the time of their choosing, within a designated 24 hour period. The exam is intended to be completed in 75 minutes.

All other course components will also be accessed, submitted, and returned through D2L.

If a student cannot write their final exam on the date assigned by the Registrar's Office, they need to apply for a deferred exam <https://www.ucalgary.ca/pubs/calendar/current/g-6.html>. Under no circumstance will this be accommodated by the Department.

Tests and exams **WILL NOT** involve multiple choice questions

The exact date for the in-class midterm will be announced at least one week in advance.

THERE WILL BE NO MAKEUP OR DEFERRED QUIZZES/TESTS/EXAMS under any circumstances, nor may the quizzes/tests/exams be written early. Students unable to write the quizzes/tests/exams 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.

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 Honesty, 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 Arts Students' Association (F.A.S.A.):

Economics Department Representative

Office: SS 803, E-mail: econrep@fasaucalgary.ca and Web: www.fasaucalgary.ca.

Society of Undergraduates in Economics:

<https://www.ucalgarysue.com/>.

Society of Undergraduates in Economics is a student run organization whose main purpose is to assist undergraduate economics students to succeed both academically and socially at the University of Calgary. Services include access to the exam bank, career events such as Industry Night and information sessions, mentorship programs, and social events for members. They invite you to join by contacting SUE at societyofundergradsineconomics@gmail.com.

Faculty of Arts Program Advising and Student Information Resources:

- Have a question, but not sure where to start? The Arts Students' Centre is your information resource for everything in Arts! Drop in at SS102, call them at 403-220-3580, or email them at artsads@ucalgary.ca. You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate>, which has detailed information on common academic concerns, including program planning and advice.
- 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.

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>.

Notes:

1. 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.
2. Please note that the following types of emails will receive no response: emails not addressed to anyone in particular; emails where the recipient's name is not spelled correctly; anonymous emails; emails in which the sender has not identified which course and section he/she is taking; and, emails involving questions that are specifically addressed on this course outline.

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