

## Economics 201 (L02) Principles of Microeconomics

Instructor: Jacob Graham  
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Lecture Location: Web-based (Zoom)  
Lecture Days/Time: TR 11:00-12:15

Office: Web-based (Zoom)  
Office Hours: M 17:00-19:00

Fall 2023

### Course Description:

Economics is the study of how we respond to scarcity, in particular the alternatives and implications of how different institutions manage scarcity. Scarcity means that individuals and societies must make choices. The choice of institutions determines the allocation of scarce resources—what and how much gets produced, how is it produced, and who gets what is produced—and our standard of living. Econ 201 develops principles on how individuals make choices and how those choices are influenced by institutions. There is a particular focus on understanding the use of markets to allocate resources. The objective is to understand how markets work, when they work well, when they do not work well, and the role for governments and non-market allocation. Fundamentally the key questions for any student in economics are:

- Why was life for most traditionally, and many currently, brutal, nasty, and (fortunately) short, but for others (in increasing numbers) it is not?
- Why are some societies wealthy and others are so unproductive that their members barely subsist?

### Course Learning Outcomes:

#### I. The Implications of Scarcity: Opportunity Cost

- Opportunity cost: every choice has a cost, the foregone alternative. Opportunity cost is necessarily implied by scarcity.
- Individuals make decisions.
- Decisions are made at the margin.
- Individuals respond to incentives: by changing the marginal cost and benefit of an activity, the level of the activity will change.

#### II. Voluntary Trade and Efficiency

- Voluntary trade makes both parties better off.
- Voluntary trade, because it makes both parties better off, is socially desirable, unless
  - it harms a third party (not Pareto Improvement) or
  - the harm to third parties exceeds the benefit of the voluntary trade (not a Potential Pareto Improvement).

#### III. Institutional Framework for Market

- Markets operate within an institutional framework. Those institutions can be provided privately, but some are more likely best provided by collective action, i.e., voluntarily by groups of individuals—perhaps organized by a government.
  - The institutional framework includes private property rights, contract law, means of exchange, and the judicial system.
  - Governments define the extent and scope of private property rights: private property rights provide the incentive for investment.
  - Investments in capital are often sunk, this creates the risk that changes in government policy will change the returns to investors without, in the short run, a reduction in the incentive to provide goods and services even though the return on and off capital has been reduced. In the long run, however, investors will respond by requiring higher risk premiums and will underinvest.

#### IV. Competitive Markets

- A competitive trading process results in outcomes that are often socially desirable. Markets are often the best way to organize economic activity in practice relative to actual alternatives. A decentralized process, as if by an invisible hand, channels private interests to achieve the social interest.
- Prices in competitive markets signal value.
- Prices are the means by which decentralized decisions are coordinated. Without the ability of markets to aggregate preferences and costs in the formation of prices, extensive coordination of economic activity is difficult, indeed likely not possible: the result does not maximize the value of society's endowment of resources
- Markets promote both the efficient allocation of resources at a point in time, but also promote dynamic efficiency.
  - Entrepreneurship is fundamentally about creating a new higher valued use and reallocating to that use resources from a lower valued use.
- Prices allocate resources in market economies: prices formed in markets determine what gets produced, how it is produced, and to whom it is distributed.

#### V. The Role of Alternative Institutions: Government Intervention and Market Failure

- Non-market alternatives to allocating resources typically put restrictions on voluntary trade. They therefore mostly reduce the value of trade, but they can increase the gains from trade when the private benefits and the social benefits of trade are not the same, that is when there are third party effects.
- Markets may not be the optimal governance structure when there are externalities, public goods, information is asymmetric, or there is market power.
- Government intervention involves the use of legal coercive force. In theory a perfect government can improve on the allocation of resources when there are externalities, public goods, information is asymmetric, or there is market power.

#### VI. Income Distribution and Social Choice Theory

- The wealth of a nation is a function of the value of goods and services it produces.
- In competitive markets, incomes depend on the productivity of a factor of production and the value of its output.
- Wage differentials in competitive markets reflect differences in productivity.
- Individuals have preferences: society does not. Governments can use their legal power on coercion to tax and redistribute income. The determination of the distribution of income is determined by political institutions.

- Government activities are financed by taxes: taxes usually impose more costs than the revenue raised. This gives rise to a trade-off between efficiency and redistribution.

#### VII. Public Choice

- The government has a legal monopoly on the power of coercion. This is a very valuable resource and like most valuable resources can, and will be, traded in a market. Unfortunately, the result is that the power is used to create and transfer rents to special interest groups favoured by the political process. The result is often inefficiency, leading to lower productivity and incomes.
- In practice, government intervention is not perfect because of asymmetric information and incentive problems. Politicians, regulators, and government employees make decisions to favour their self interest.
- The choice is often between imperfect markets and imperfect government intervention.
- An important consideration in the design of political and regulatory institutions is constraints on the ability and extent of governments to exercise their coercive power to create and redistribute income.

#### Course Outline:

This course covers the following topics. (Note: Some topics may be added or removed depending on time constraints)

Topic	Mankiw Chapter(s)
The Economist's View of the World and the Economic Way of Thinking	1 and 2
Comparative Advantage and Trade	3
How Markets Work: Supply and Demand	4 - 6
Markets and Welfare	7
Applications: Taxation and Trade	8 - 9
Competitive Markets and Costs	13 (or Reading) and 14
Market Power	15 and 17
Externalities	10
Public Goods	11
Asymmetric Information	22.1
Distribution of Income and Factor Markets	18 and 19

#### Prerequisites/Corequisites:

None.

#### Required Textbook(s):

Mankiw, N.G., Kneebone, R.D., McKenzie, K.J., 2024. *Principles of Microeconomics*, Tenth Canadian edition. Toronto: Thomson Nelson.

#### Recommended Textbook(s):

Miller, R., D. Benjamin, D. North. 2018. *The Economics of Public Issues*, 20th edition. New York: Pearson.

Available in print form from Amazon.ca or online from the publisher at

<https://www.pearson.com/en-ca/subject-catalog/p/economics-of-public-issues-the/P200000005978/9780137525331>

**Required Access to Technology:** Internet access with the capability of rendering Zoom, PDF files and Yuja video files.

**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.

In order to remotely participate in online courses, students will need to have: computer with a current and updated operating system (macOS or Windows will work with all university-supported online learning technologies), a current and updated web browser installed – the latest versions of Firefox, Safari, Chrome or Edge will help to avoid compatibility issues, secure and reliable internet, microphone/headphones, webcam (optional), scanner (or camera to scan your work).

**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 the weekly tutorial section to which they have been assigned. 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:**

Problem Sets (4)	30%
Midterm Exams (2)	30%
Final Exam	40%
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	100%

**Examination Details:**

The midterm exams will be multiple choice exams and completed online in D2L. The exams are designed and intended to be completed in 50 minutes. The exam(s) will be OPEN book. Students will have 50%-time extension to complete the exam. Common assessment time will be during 75-minute class on **Tuesday, October 10<sup>th</sup> and Tuesday, November 21<sup>st</sup>**. For students who cannot write during the common assessment time the exam will be available an evening before the exam date. For Midterm 1, this is Monday, Oct. 9<sup>th</sup> at 17:00. For Midterm 2, Monday, Nov. 20<sup>th</sup> at 17:00. Students who cannot write the midterm exams during the class time must send an email to the instructor indicating that they will write at the alternative time at least 24 hours before the alternative midterm time.

The final examination will be comprehensive and scheduled by the Registrar. The exam is designed and intended to be completed in two hours. The exam will be OPEN book. The final exam will be a multiple choice / fill-in-blank exam completed online in D2L. Student will have three hours to complete the exam. Common final exam time begins 3 hours before the end time of the Registrar's scheduled final exam for this course. For students who cannot write during the common exam window one alternate exam time will be during 24-hours before the end of the Registrar's scheduled final exam for this course and will be communicated by instructor during the last week of the classes. Students who cannot write the final exam at the time scheduled by the Registrar's Office are required to notify the instructor that they will write at the alternative time by email to the instructor 48 hours before the end of the Registrar's scheduled final exam window. Students unable to write the final exam at either time must request a deferred exam.

Students must complete the exams on their own.

**Grading Policies:**

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. Students committing academic misconduct during the final exam will not receive a passing grade for 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).

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](https://www.ucalgary.ca/pubs/calendar/current/e-2.html).

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.

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-3-4.html>. Under no circumstance will this be accommodated by the Department.

**Reappraisal of Grades:**

*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>

**Academic Misconduct and Intellectual Honesty:**

Academic Misconduct refers to student behavior that compromises proper assessment of students' academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing

academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.

*Statement of Intellectual Honesty, see Calendar K.3*

<https://www.ucalgary.ca/pubs/calendar/current/k-3.html>

*Plagiarism and Other Academic Misconduct*

<https://ucalgary.ca/student-services/student-success/learning/academic-integrity>

**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

<https://www.ucalgary.ca/legalservices/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf> and <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/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

<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/faq-privacy-faculty-members.pdf> and <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/faq-privacy-students.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 <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Acceptable-Use-of-Material-Protected-by-Copyright-Policy.pdf>. Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

**Recording of Lectures:**

Recording of lectures is prohibited, except for audio recordings authorized as an accommodation by SAS or an audio recording for individual private study and only with the written permission of the instructor. Any unauthorized electronic or mechanical recording of lectures, their transcription, copying, or distribution, constitutes academic misconduct. See <https://www.ucalgary.ca/pubs/calendar/current/e-6.html>.

**Instructor Intellectual Property:**

Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

**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](mailto:econrep@fasaucalgary.ca) and Web: [www.fasaucalgary.ca](http://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 [sue@ucalgarysue.com](mailto:sue@ucalgarysue.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](mailto: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 Tower.

**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 likely receive no response: Emails which do not list the relevant course; emails which are not signed with the student's full name and UCID; and emails involving questions that are addressed in the course outline, lecture slides, or otherwise posted on D2L.

JDG

8/14/2023