

## Economics 201 (L02) Principles of Microeconomics

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Office: ZOOM Delivery

Lecture Location: ZOOM Delivery  
Lecture Days/Time: MWF 11:00-11:50

Office Hours: Friday 9:00- 10:00 a.m. and By Appointment using Zoom

(Fall 2021)

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### 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 focus on understanding the use of markets to allocate resources.

### Course Learning Outcomes:

Students who complete Econ 201 successfully will be able to understand introductory microeconomic theory, solve basic microeconomic problems, and use these techniques to think about policy questions affecting the economy. This will include being able to answer questions regarding how markets work, when markets work and do not work well, and the role of government policy in allocating resources. This will provide students with a solid foundation in economic thinking that will last into their professional careers.

#### 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:**

<b>Topic</b>	<b>Mankiw Chapter(s)</b>
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, 6.1
Markets and Welfare	7
Elasticity	5
Applications: Taxation and Trade	6.2, 8,9
Externalities	10
Public Goods	11
Competitive Markets and Costs	13 (or Reading) and 14
Market Power	15 and 17
Asymmetric Information	22.1
Distribution of Income and Factor Markets	18 and 19
Social Choice	20 and 22.2
Public Choice	Reading

Quiz #1 By October 1

Quiz #2 By October 8

Quiz #3 By October 15

Quiz #4 By October 22

Quiz #5 By October 29

**Midterm Exam October 27**

Quiz #6 By November 5

Quiz #7 By November 12

Quiz #8 By November 19

Quiz #9 By November 26

Quiz #10 By December 3

Assignment #1 Due October 15

Assignment #2 Due December 3

**Prerequisites/corequisites:**

None

**Required Textbook(s):**

Mankiw et al. Principles of Microeconomics, 8th Canadian edition and any former edition. Thomson Nelson. (Mindtap is **not** required; a copy of the textbook is on reserve or the library had an electronic copy.)

**Recommended Textbook(s):**

Chris Bruce, The Economics of Everyday Life (manuscript; not for sale). This textbook will become available on D2L in the first week of September.

**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 tutorial sections to which they have been assigned. Some tutorials will be offered face-to-face and some are offered using Zoom. During the tutorials, the TA will discuss pre-assigned questions from tutorial handouts and additional material relevant to the course that is not covered in lectures.

**Grade Determination and Final Examination Details:**

MIDTERM EXAM	20%
FINAL EXAMINATION	35%
10 WEEKLY QUIZZES (Highest 8 count)	25%
2 written ASSIGNMENTS	20%
	<hr/>
	100%

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

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

If a student's letter grade on the final exam exceeds their midterm(s) letter grade, the weight of the midterm(s) may be transferred to the final exam at the discretion of the instructor. 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](https://www.ucalgary.ca/pubs/calendar/current/e-2.html).

Course material dealing with a particular assignment will typically be covered in class at least 7 days before the assignment is due; thus, assignments can be completed at any time up to and including the due date. Given these factors, only situations where someone can document illness or domestic affliction for an extended period (i.e., the entire 7 days prior to the due date) would possibly warrant shifting the assignment weight to the final exam. Furthermore, technical problems can be expected to occur with computer systems (and internet availability) so it may be a good idea to not wait until the last minute to submit your assignment.

The midterm exam(s) is take-home exam(s) designed and intended to be completed in **50** minutes. The exam(s) will be **OPEN** book. Students will take the exam under the Quizzes section in D2L. Student will have 50% time extension to complete the exam (i.e. students have 75 minutes in total). **The midterm exam starts (becomes available online) at 10:35 am and ends at 11:50 am on October 27.**

The final examination will be take-home, comprehensive, and scheduled by the Registrar. As in the midterm exam, student will take the exam under the Quizzes section in D2L. Student will have 50% more time to complete the exam, at a time of their choosing, within the 24-hour period that begins 24 hours before the end date of the Registrar's scheduled final exam for this course. The exam is designed and intended to be completed in **two** hours. The exam will be **OPEN** book.

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 involve multiple choice questions.

The weekly quizzes will be a multiple-choice or fill-in-blank short quizzes completed online in D2L. Student will have 20 minutes to complete the quiz, at a time of their choosing, within a 96-hour period determined by the instructor.

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:**

*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:**

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.

Student committing academic misconduct during the final exam will not receive a passing grade for the course.

For information on the Student Academic Misconduct Policy, Procedure and Academic Integrity, please visit: <https://www.ucalgary.ca/pubs/calendar/current/k-3.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

<https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure>

**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/access-information-privacy>

**Copyright Legislation:**

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

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.

**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>.

**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  
E-mail: [econrep@fasaucalgary.ca](mailto:econrep@fasaucalgary.ca)  
Website: [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 [societyofundergradsineconomics@gmail.com](mailto: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](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:****Classes**

- **All the class material will be posted to the Desire2Learn (D2L) platform** so that students who are not able to attend the lecture still have access to the material.
- The material covered in each lecture will be all found in one D2L file named "Date" (e.g. Folder "February 12" will contain all the materials covered on February 12).
- Before each lecture, I post reading material/slides. During/After the class time, the students are asked to post their questions on D2L discussion forum to receive immediate response from the instructor and/or the TA.

### Communication

- **Email your TA and cc the instructor.** The TAs will help us communicate efficiently.
- We will get back to you within 2 business days.
- If you have urgent questions or concerns, use the word "[Urgent]" in your email title if you need to get a reply within one business day. Email your TA(s) and the instructor.
- I will post announcements on D2L Newsfeed. If announcements are important/urgent, I will also email you using the class mail-list.
- The office hours take place using Zoom. I will use the "waiting room" feature when possible or you can send an email in advance to choose an appointment time.

### Assignments

- Submit your assignments to the D2L Dropbox before the due. Late assignments, assignments sent by e-mail will not be accepted.
- You are encouraged to work with your classmates. However, you need to **write in your own words**.
- Assignments Formatting Requirements:
  - Submit your assignments as ONE file unless specified otherwise. **Compressed folders (e.g. .zip or .pages) do not count as single files.** If you are uploading photos of your work, please transform them into a format recognized by Windows (e.g. JPEG, PNG or PDF format). *Please do not submit files with .heic extension.*
  - Include your family name and the assignment number in the name of the file you upload to Dropbox in the following form: LASTNAME\_hw# where you will substitute the assignment number for the # in the filename.
  - You can scan your written homework with a scanner or your device's camera to create scanned pdf files. Before you submit your scanned homework be sure to verify that the scan is easily readable.
  - Make sure that the pages are in the correct order; that is, the first page of the document should be the first page of your work and so on. Make sure that the pages are aligned properly; that is, pages are not in a landscape position.
  - I recommend that you submit a draft at least one day before the due. If you want to make a change, you can upload the whole file as a new submission in the same folder---**your grade will be based on the most recent submission.**



**Weekly Quizzes**

- Weekly quizzes become available at D2L Quiz Section at least 96 hours prior to the due.
- Student will have 20 minutes to complete the quiz, at a time of their choosing.
- Students can attempt unlimited times. **Your grade for quizzes will be based on the highest attempt.**
- **No late submission will be accepted.**

**Exams**

- The exams will become available at D2L Quiz section 24 hours before the end time
- **No late submission will be accepted.** If I do not **receive** your submission in time, you will receive no credit for the exam.
- **Warning:** This is a take-home exam. Please solve the questions by yourself. **No** discussion will be allowed. If we find the same answers and the same mistakes, the students are suspected to have cheated. Both students will receive 0, regardless of who helped who.

**Other Notes**

- The final exam is harder than the midterm exam. Try not to miss the midterm exam.

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2021-08-26