

CARLETON UNIVERSITY, Department of Economics

ECON 3020B: Intermediate Microeconomics II: Consumers and General Equilibrium (Winter 2026)

Instructor: Professor: Z. Yu; Email: zhihao.yu@carleton.ca (Please use instructor/TA's office hours for questions related to the course materials or homework. Emails will be responded in 1-2 weekdays or in classes or on Brightspace. Requests for changing the rules set in the course outline will not be responded.)

Instructor's office hours: Thursdays 1:00pm-2:00pm (in LA B852).

In-person Lectures: Tuesdays and Thursdays 14:35-15:55

In-person Tutorials: Tuesdays 16:05-17:25

TA: Tia Ma (Email: TiaMa@cmail.carleton.ca)

PREREQUISITES:

ECON 2020 with a grade of C- or higher or ECON 2009 with a grade of C+ or higher, and ECON 1402 (or equivalent) with a grade of C- or higher. Students who believe they have taken a similar background course or courses from another university must provide appropriate documentation to the Department of Economics Undergraduate Administrator.

N.B. This course precludes additional credit for ECON 2001. A grade of C+ or higher is required to qualify for ECON 3900, 3920, and 4020.

OBJECTIVES: The objective of this course is to study the theory of consumer choice, economics and welfare analysis of supply and demand in competitive general equilibrium, choice under uncertainty and other selected topics.

REQUIRED TEXTBOOK: Microeconomics: Theory and Applications with Calculus, 5th edition, by Jeffrey M. Perloff, 2020 (Pearson e-textbook price: C\$67.99). MyLab course ID: yu89018

A useful link for refreshing Math skills in Economics:

https://www.economicsnetwork.ac.uk/math_refresh/

WEEKLY TUTORIALS:

The main purpose of the tutorials is to give students guidance in working through particular problems and applications (in either MC and problem-solving exercises) of intermediate microeconomic theory covered in the lectures and in the textbook. Detailed schedule of these tutorials (run by a Teaching Assistant) will be available after the semester begins. The weekly tutorials also provide an opportunity to get helps from your TA if some students have questions about course materials.

WEEKLY HOMEWORK:

Class attendance and reading the course materials are essential. The textbook has "solved problems" for most chapters, which provide good examples of self-learning practice. In addition, I will select several exercises from each chapter covered during the course. Your TA will discuss these selected exercises in detail during the weekly tutorials and students will then have 72 hours to finish and submit their work on Brightspace.

EVALUATION

Tutorial attendance and weekly homework ¹	10%
Class Preview, Attendance and participation	10%
In-class Test1 (Thursday, February 5):	30%
In-class Test 2 (Thursday, March 19):	35%
End-of-term Assignment:	15%

Important Rules for the in-class Tests:

- (i) Students who miss more than 50% of weekly coursework requirements in any categories (i.e. class and tutorial attendances, homework submissions, etc.) are not qualified to write the in-class tests (if written, their work will not be graded) and we will not respond to their issues via email.
- (ii) A student will receive a zero mark for missing an in-class test unless he/she informs the course instructor via email either before or on the test date (in case of an emergency) followed by appropriate supporting documentation (such as a death in the family, illness, etc.) within 48 hours. Upon review, the instructor may offer a deferred test. The schedules of the deferred tests are: 7:15am on February 9 for deferred Test 1 by FPGA; 7:15am on March 23 for deferred Test 2. Locations TBA. Students who miss more than one test (including a deferred one) will receive a failing grade.
- (iii) This course has the above two formative tests and no final exam. The feedback on the tests will be provided either in person or via Brightspace.

Plagiarism

Please be aware that plagiarism is serious offence at Carleton and should be recognized and avoided. For further information on how to do so, please see [HERE](#).

Academic Accommodation:

You may need special arrangements to meet your academic obligations during the term. For accommodation requests, please visit: students.carleton.ca/course-outline

COURSE OUTLINE (The exercises for the homework can be found at the end of each chapter)

Module I

Chapter 2 Supply and Demand (2)

Homework: Exercises 1.4, 2.3, 4.4, 4.8, 5.2, 6.1, 6.4, 6.10, 7.4

Chapter 3 A Consumer's Constrained Choice (2)

Homework: Exercises 2.5, 4.4, 4.8, 4.15

Chapter 4 Demand (3)

Homework: Exercises 1.4, 2.6, 3.8, 4.8; Derive the demand function solutions in Table 4.1 (on page 107).

Module II

Chapter 5 Consumer Welfare and Policy Analysis (2.5)

Homework: Exercises 1.3, 2.4, 3.3, 4.14

Chapter 9 Properties and Applications of the Competitive Model (2)

Homework: Exercises 4.2, 5.2 and 5.4

¹ The deduction for late homework/assignment submissions is 25% (50%, 100% - i.e. zero marks) of your total mark for the first 0h-24h (the second 0h-24h, the third 0h-24h and afterwards) after the deadline, respectively.

Chapter 10 General Equilibrium and Economic Welfare (3)

Homework: Exercises 1.1, 1.2, 2.5 and 2.6

Module III

Chapter 16 Uncertainty (2.5)

Homework: Exercises 1.7, 2.7, 3.3, 4.2,

Chapter 17 Property Rights, Externalities, Rivalry and Exclusion (2.5)

Homework: Exercises 2.3, 2.4, 3.8, 4.2, 6.13

What went wrong with capitalism?

<https://youtu.be/ve02F0gyfjY?si=EAU89nXivKD8jQFC>