

**Faculty of Liberal Arts & Professional Studies
Mathematics for Economists I
ECON 1530 Sections C and H
Fall Term, 2020**

Course instructor: Paul Rilstone
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Technical requirements for taking the course: Several platforms will be used in this course (Moodle, Zoom and email) through which students will interact with the course materials, the course director, as well as with one another. Exams will be conducted through Moodle. Please review this syllabus to determine how the class meets (in whole or in part) and how office hours and presentations will be conducted.

Students shall note the following:

- Zoom is hosted on servers in the U.S. This includes recordings done through Zoom.
- If you have privacy concerns about your data, provide only your first name or a nickname when you join a session.
- The system is configured in a way that all participants are automatically notified when a session is being recorded. In other words, a session cannot be recorded without you knowing about it.

Please review the [technology requirements and FAQs for Moodle](#).

Here are some useful links for student computing information, resources and help:

[Student Guide to Moodle](#)

[Zoom@YorkU Best Practices](#)

[Zoom@YorkU User Reference Guide](#)

[Computing for Students Website](#)

[Student Guide to eLearning at York University](#)

To determine Internet connection and speed, there are online tests, such as Speedtest, that can be run.

Times and locations: Lectures will be given synchronously at 10:00-11:30 AM and 2:30-4:00 PM Tuesdays and Thursdays. These will be recorded on Zoom and available asynchronously on Moodle. Normally the morning sessions will cover the basic core material and the afternoon sessions will consist of reviewing assigned problems. Students are responsible for knowing all the material covered. Please note that this is a course that depends on remote teaching and learning. There will be no in-person interactions or activities on campus.

Organization of the course: Note that this course has both synchronous and asynchronous elements See the schedule below.

Lectures and Office Hours

Meeting	Day	Time	
Lecture	Tuesdays & Thursdays	10:00–11:30 am	These are all live lectures via Zoom. The lecture will be recorded, and the recording can be accessed via Moodle by the following morning.
	Tuesdays & Thursdays	2:30–4:30 pm	These are all live lectures via Zoom. The lecture will be recorded, and the recording can be accessed via Moodle by the following morning
Office Hours	Tuesdays & Thursdays	12:00–1:00 pm	Live via Zoom.

Course webpage: On Moodle. Check this regularly for course announcements

Virtual office hours | Tuesdays & Thursdays 12:00 – 1:00 pm Live via Zoom.

Expanded course description: This course presents and analyzes a sequence of basic ideas, topics and problems arising in Economics. For each idea/topic/problem relevant mathematical ideas and techniques are recalled and/or derived so as to provide a deeper understanding of the Economic issue and how it can be resolved, if necessary. The notion of Quantity Demanded is first addressed by expressing quantity demanded as a linear function of price where both the slope and intercept embed important Economics ideas. This sequence leads naturally to the notion of Revenue (the product of quantity demanded and price) where nonlinear functions are analyzed using mathematical techniques that include derivatives. This sequence culminates with notions of prices that maximize revenue subject to a given demand function.

Prerequisite: Grade 12U Advanced Functions or equivalent.

Prerequisites/Co-requisites: AP/ECON 1000 3.00 or AP/ECON 1010 3.00, or equivalent. Strongly recommended completion: high-school calculus or equivalent.

Course credit exclusions: SC/MATH 1000 3.00, SC/MATH 1013 3.00, SC/MATH 1300 3.00, SC/MATH 1505 6.00, SC/MATH 1513 6.00, SC/MATH 1530 3.00, SC/MATH 1550 6.00, GL/MATH/MODR 1930 3.00. Note: Acceptable course substitutes are available in the Calendar.

Course objectives and learning outcomes: See weekly schedule.

Course readings

Essential Mathematics for Economic Analysis, fifth edition, Knut Sydsaeter and Peter Hammond with Arne Strom, Prentice Hall. Available through the [York Bookstore webpage](#) and other merchants online.

Evaluation

Assessment	Due date	Value (% of final grade)
Midterm 1	Saturday, Oct 10, 10:00am	20%
Midterm 2	Saturday, Nov 7, 10:00am	20%
Final Exam	During Examination Period	60%

Course policies

Anyone missing a midterm will receive zero for that midterm. There are no makeups for midterms. Anyone receiving a higher final exam grade than one of their midterm grades (including zeros for missed midterms) will have their final exam grade reweighted to 80%. Anyone receiving a higher final exam grade than both of their midterm grades (including zeros for missed midterms) will have their final exam grade reweighted to 100%.

Note the two midterm dates [Saturday, October 10, 10:00 am](#) and [Saturday, November 7, 10:00 am](#)

There will be [no automatic deferrals](#) granted from the final exam in this course. Anyone missing the final exam will receive a zero for that exam.

Academic honesty and integrity

In this course, we strive to maintain academic integrity to the highest extent possible. Please familiarize yourself with the meaning of academic integrity by completing SPARK's [Academic Integrity module](#) at the beginning of the course. Breaches of academic integrity range from cheating to plagiarism (i.e., the improper crediting of another's work, the representation of another's ideas as your own, etc.). All instances of academic dishonesty in this course will be reported to the appropriate university authorities, and can be punishable according to the [Senate Policy on Academic Honesty](#).

Course information

Please refer to the **document on LA&PS course policies**. That document summarizes and provides links to the information typically provided under the Course Information section, including on [Student Rights & Responsibilities](#), and [Academic Accommodation for Students with Disabilities](#). For more language on course information, please consult the University's [Important Course Information document](#).]

Schedule of readings and activities

Please note the following [important dates](#) for Fall 2020-21:

- Classes start on September 9, 2020.
- Reading Week is between October 10 and 16
- December 9 is a Fall Study Day.
- The Fall exam period runs from December 9 to 23, 2020. The final exam will fall within that period.