

**Faculty Liberal Arts and Professional Studies**  
**Department of Economics**  
(Updated version would be posted on eClass course page)

**Course:** AP/ECON1540 M 3.0

**Course Webpage:** <https://eclass.yorku.ca/> (previous moodle) and log in  
After class starts, **please check our course page on a regular basis.**

**Term:** S2 2021

**Prerequisite / Co-requisite:**

Prerequisite: AP/ECON 1530 3.00 or equivalent. Prerequisites or corequisites: AP/ECON 1000 3.00 or AP/ECON 1010 3.00, or equivalent. No Credit Retained (NCR) Note: Students who have successfully completed or who are currently enrolled in SC/MATH 1021 3.00, SC/MATH 1025 3.00, or SC/MATH 2221 3.00. SC/MATH 1510 6.00 and SC/MATH 1520 3.00 may not be taken by any students who has passed or is currently taking AP/ECON 1540 3.00.

**Course Credit Exclusions:**

Course credit exclusions: SC/MATH 1505 6.00, SC/MATH 1540 3.00, SC/MATH 1550 6.00, GL/MATH 2650 3.00, GL/MODR 2650 3.00. Note: Acceptable course substitutes are available in the Calendar.

**Course Instructor**

Name: Professor Ying KONG  
Email: [ykong@yorku.ca](mailto:ykong@yorku.ca)  
(**please quote "ECON1540M, name, student #" on subject line**)  
Phone: N/A during COVID19 period  
Office hours: **Virtual** Wednesday 9:00am-11:00am Toronto time  
(I will hold online office hours through Zoom to answer any course related questions. Zoom meeting ID will only be posted on eClass and not on course outline. **Please remember NOT to share Zoom meeting ID with others.** Please check eClass for office hours and Zoom meeting ID)

TA: TBA  
Office hours: TBA  
Email: TBA

**Class Time and Location**

This course depends on remote teaching and learning. There will be no activities on campus or in-person interactions. **Lectures will be prerecorded and posted on eClass.** I will be using eClass for posting announcements, lecture recordings, online midterm/final exam. Please check eClass on regular basis.

**Emails and Communications**

I teach more than one course this term, so **please quote “ECON1540M, name, student #” on email subject line**. Since we have Zoom virtual office hours every week to answer your questions, and it's difficult to reply math related questions in emails, so take opportunities to ask math questions during virtual office hours. Only administrative questions will be answered by email. **I am not going to respond to any questions or issues that are already explained in course outline, eClass announcements, etc.** I will not respond emails such as what's my York U log in ID, how can I log in eClass, ect.

### **For technical difficulties/issues**

If students have technical difficulties, students can call York University's number 416-736-5800 (or e-mail [esohelp@yorku.ca](mailto:esohelp@yorku.ca)).

### **Technical requirements for taking the course**

You will need a laptop or desktop computer, plus a smart phone/tablet with a camera, and a RELIABLE internet connection.

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

[Student Guide to eClass](#)

[Zoom@YorkU Best Practices](#)

[Zoom@YorkU User Reference Guide](#)

[Computing for Students Website](#)

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

### **Expanded Course Description**

Introduces and develops topics in comparative statics of general function models and matrix algebra with applications to input-output models, unconstrained and constrained optimization with applications to microeconomic and macroeconomic models, and elements of linear programming with applications to decision-making in economics.

### **Organization of the Course (Topics):**

Topic I: Mathematical Preliminaries

1.1 Linear Algebra (Chapter 15 & 16)

1.2 Multivariable Calculus (Chapter 11)

Topic II: Unconstrained Optimization

2.1 Comparative Static Techniques (Chapter 12)

2.2 Multivariable Optimization (Chapter 13)

Topic III: Constrained Optimization and Linear Programming

3.1 Constrained Optimization (Chapter 14)

3.2 Linear Programming (Chapter 17, optional by time availability)

### **Course Text / Readings**

Essential Mathematics for Economic Analysis, Pearson, 5th ed.

Lectures, although based mainly on the textbook, will include additional or alternative materials. Some sections in the textbook may not be covered in the class. Where indicated in the outline, in class lecture notes which are posted on eClass course web will be the basic source for your study.

### **Evaluation \***

Midterm:	Monday July 19 18:00	40%
Final:	During Final Exam Period	60%

Exam date for this course will be set by the Registrar's Office

Students are required to work independently on the online midterm/final exam. Answers must be the student's own original work and written in their own words or otherwise it will be considered plagiarism and an academic honesty offence. The use of aides such as websites, apps, Google Translate etc. are not allowed unless explicit permission is given by the instructor.

### **Grading, Assignment Submission, Lateness Penalties and Missed Tests**

**Grading:** The grading scheme for the course conforms to the 9-point grading system used in undergraduate programs at York (e.g., A+ = 9, A = 8, B+ = 7, C+ = 5, etc.). Assignments and tests\* will bear either a letter grade designation or a corresponding number grade (e.g. A+ = 90 to 100, A = 80 to 90, B+ = 75 to 79, etc.)

(For a full description of York grading system see the York University Undergraduate Calendar - <http://calendars.registrar.yorku.ca/2010-2011/academic/index.htm>)

**Missed Tests:** There are no deferred tests or exams. Students absent from the midterm test will automatically have their final exam determine 100% of the course grade. Students absent from the final exam will have to petition to the Faculty of Liberal Arts and Professional Studies (or their own faculty if they are not LAPS students) for a makeup exam.

To prepare exams and familiar to the materials that we discussed in the class, I strongly encourage students to try your best to practice questions.

**Accommodations.** The students who have the letter of Academic Accommodations from Student Accessibility Services should directly contact the Alternative Exam Centre for the test arrangement.

To prepare exam and familiar to the materials that we discussed in the class, I encourage students to try your best to practice questions at end of each chapter and problems in Study Guide.

### **IMPORTANT COURSE INFORMATION FOR STUDENTS**

All students are expected to familiarize themselves with the following information, available on the Senate Committee on Academic Standards, Curriculum & Pedagogy webpage (see Reports, Initiatives, Documents) - <http://secretariat.info.yorku.ca/files/CourseInformationForStudentsAugust2012.pdf>

- Senate Policy on Academic Honesty and the Academic Integrity Website
- Ethics Review Process for research involving human participants
- Course requirement accommodation for students with disabilities, including physical, medical, systemic, learning and psychiatric disabilities
- Student Conduct Standards

- Religious Observance Accommodation

## **Course ADD/Drop Deadlines**

<https://registrar.yorku.ca/enrol/dates/su21>

### **SUMMER 2021 SESSIONAL DATES**

	<b>S2</b>
<b>Course start date</b>	<b>June 28</b>
<b>Last date to add a course without permission of instructor</b>	<b>July 2</b>
<b>Last date to add a course with permission of instructor</b>	<b>July 9</b>
<b>Last date to drop course without receiving a grade</b>	<b>July 23</b>
<b>Reading Week</b>	<b>N/A</b>
<b>Study days</b>	<b>Aug 11</b>
<b>Course end date</b>	<b>Aug 10</b>
<b>Examinations</b>	<b>Aug 12-19</b>

**\*\*Policy and Guidelines on Withdrawn from Course:** <http://secretariat-policies.info.yorku.ca/policies/withdrawn-from-course-w-policy-and-guidelines/>

All students are expected to familiarize themselves with the following information, available on the Senate Committee on Curriculum & Academic Standards webpage;  
<http://www.yorku.ca/secretariat/policies>

## **Reappraisals**

For reappraisal procedures and information, please visit the Office of the Registrar site at:  
<http://www.registrar.yorku.ca/grades/reappraisal/>

## **Deferred Standing**

Students who have experience a misfortune or who are too ill to attend an examination in a course should not attempt to do so; they must pursue deferred standing, and have it submit to the department. For further information, please visit:  
<http://www.registrar.yorku.ca/exams/deferred/>

## **Academic Integrity**

For Senate Policy on Academic Honesty, please visit:  
<http://www.yorku.ca/secretariat/policies/document.php?document=69>