

YORK UNIVERSITY
LA & PS
DEPARTMENT OF ECONOMICS

SUMMER (S1) 2020

AP/ECON 3530A 3.00 INTERMEDIATE MATHEMATICS FOR ECONOMISTS
TR 11:30 – 14:30

Instructor: VASSILIOS BARDIS
Office Hours: TBA
E-mail: vbardis@yorku.ca
Course Website: Available on *moodle.yorku.ca* when the term begins.

PREREQUISITES

AP/ECON1530.03 and AP/ECON1540.03, or equivalents

COURSE DESCRIPTION

The course develops and demonstrates the mathematics commonly used in the analysis of static economic models. It provides a more extensive and in-depth coverage of the material covered in 1530 and 1540. Its aim is to prepare students for more advanced courses in economics which commonly use these tools and techniques. Topics include: linear algebra (vectors and matrices), univariate and multivariate calculus, unconstrained and constrained optimization, and comparative statics analysis.

ONLINE CONTENT DELIVERY: Detailed notes/handouts will be posted weekly on the course website on Moodle by Tuesday and/or Thursday of each week. These will be complemented by practice sets which will also be posted weekly by the end of each week. All tests and assignments will be based on (draw from) the material in these handouts and practice sets.

SOME IMPORTANT DATES

Classes start / end	May 11 / June 22
Examination Period	June 24-26
Last date to add a course without / with permission of instructor	May 15/May 26
<i>Last date to drop course without receiving a grade</i>	June 8
Course Withdrawal Period (withdraw from a course and receive a “W” on the transcript)	June 9 - 22

GRADING

The course grade will be based on **term work** (worth up to 60%) and a **final exam (40%)**. The term work will consist of four online tests or assignments, each of the best three worth 20%. The final exam will be comprehensive and will held during the examination period.

There will be no make-up term tests. The opportunity to write a deferred exam will be available to students who are unable to complete the final exam due to reasons beyond their control.

Reappraisal of Term Work: It is strongly recommended that reappraisal of students' term work should be completed during the course of the term and prior to the submission of final course grades.

Note on Senate Policy on Academic Honesty: Conduct that violates the ethical or legal standards of the University community or of one's program or specialization may result in serious consequences. Students are encouraged to familiarize themselves with the Senate Policy

TEXTBOOKS (OPTIONAL)

There is no required textbook. There are several good textbooks, including the following:

1. Mathematics for Economic Analysis by Knut Sydsaeter, Peter J. Hammond 1st edition (1995) Paperback. (Note this is a book by the same authors of the textbook used in 1530/1540. It is comprehensive and offers a much larger and more in depth set of topics than the textbook in 1530/1540).
2. Mathematics for Economists, by Carl P. Simon and Lawrence Blume, 1994, W. W. Norton & Company.
3. Fundamental Methods of Mathematical Economics. by Alpha C. Chiang, 3rd edition 1984, McGraw-Hill Inc. (An "old" classic)
4. Fundamental Methods of Mathematical Economics, by Alpha C. Chiang, Kevin Wainwright, 4th edition (of the book above), 2005, Irwin / McGraw-Hill.

LIST OF TOPICS: Please see the course website on moodle.yorku.ca for the detailed list.