Professor Anne-Katrin Roesler
Department of Economics, 150 St George Street
Max Gluskin House, Office 211

Email: ak.roesler@utoronto.ca
Office Hours: *by appointment*

ECO 1010: Math & Stats Review for MA/MFE

University of Toronto
Department of Economics

Fall 2022

COURSE DESCRIPTION

ECO 1010 reviews mathematical and statistical core concepts that are relevant for the MA and MFE program. This course is mandatory for all incoming MA (Regular Stream) and MFE students.

LOGISTICS

Course dates:	Weekdays, Tuesday August 16 to Friday, September 2
	See detailed schedule below.
Location:	MP 102
Teaching Assistant:	Ramtin Salamat
	(*office hours, weekdays 4-5pm, MP 102*)
Course website:	Quercus, link to course website
	Students are responsible for reading course announcements, lecture notes, and other materials posted on the course website.

ASSESSMENT/GRADING

ECO 1010 is a "credit/no credit" course. To pass ECO 1010, students must pass the following two tests:

Test 1 ("math") on ***Friday, August 26, 2021, 10am – 12pm***

Test 2 ("stats") on ***Friday, September 2, 2021, 10am – 12pm***

(*) To pass the class students must obtain an ***average score of at least 70% (65% for MFE students)*** *(i.e. B- or higher) in these two tests. In addition, students must score* ***at least 50% (45% for MFE students) in each individual assessment****.*

Students who do not meet these criteria must successfully pass the following comprehensive test:

Test 3 ("math & stats") on ***Friday, November 18, 2021, 2 – 5pm***

Passing the comprehensive test requires to meet the criteria from (*) when replacing the weaker of Test 1 & 2 by Test 3.

Tests are in person and closed book. Assessment dates & times, and test format are subject to change.

COURSE MATERIALS

Course materials and problem sets ("homework") will be posted on the ECO 1010 website on Quercus. There is no required textbook for this course, but the following supplementary textbooks/resources may be useful:

- Martin Osborne's Math Tutorial
- Alpha Chiang's Fundamental Methods of Mathematical Economics
- Alvin Drake, Fundamentals of Applied Probability Theory
- Hogg, McKean, and Craig, Introduction to Mathematical Statistics
- Hanson: Econometrics

Homework problem sets: Will be posted on Quercus. The only way to familiarize yourself with the mathematic and statistics concepts discusses in class is by applying the methods yourself and solving problems. Make sure to solve the problems yourself (or give it your best shot) and *write down the solutions **before*** solutions are discussed in the tutorial.

EMAIL POLICY

I have found email generally not to be the best communication format to address questions and concerns of students. I expect you to attend all lectures and tutorial sessions (run by the TA). Please make use of our office ours for any your questions and concerns that you may have.

I will do my best to respond to e-mail within 24 hours on a weekday, 48 hours on a weekend according to the following policy:

a) I will only respond to e-mails posing questions that can be answered in a sentence or two. For detailed questions, please see me or the TA in office hours.
b) I will not reply to e-mails that request information that can be found on the website or the syllabus, so you should check those places first.
c) I will not reply to e-mails regarding the results of graded material – for that, please see me in office hours.

CLASS RULES

Academic integrity is considered one of the central values of this class. *In particular, any non-compliance with academic integrity or documented academic misconduct will result in automatic failure for the entire course.* This includes but is not limited to violating the rule that: No communication between students or with outside sources is allowed during a class test. Please familiarize yourself with the code of behavior on academic matters.

Missing a test: Students who miss a test due to a medical issue must notify me (and cc the TA) by email before the test begins. For 2022-23, the Verification of Illness (or "doctor's note") is not required. If you are absent from academic participation for any reason and require consideration for missed academic work, you must record your absence through the ACORN online absence declaration immediately. If I find the documentation acceptable, students will be notified on how to make-up for the missed test. Note

that providing false or misleading information in support of a request for a make-up is a serious academic offence.

Accessibility/ Accommodation: If you have a disability that warrants accommodation, please contact me by e-mail as soon as possible. Attach to your e-mail the accommodation letter that you received from the Accessibility Service Office (*here*). The subject line of your e-mail should be: ECO1010 VISA

COURSE CALENDAR

All lectures and tutorials will take place in person in room ****

Course Calendar				
Mon, Aug 15	Tue, Aug 16 10am – 1pm Lecture 2pm – 4pm Tutorial	Wed, Aug 17 10am – 1pm Lecture 2pm – 4pm Tutorial	Thu, Aug 18 10am – 1pm Lecture 2pm – 4pm Tutorial	Fr, Aug 19 10am – 1pm Lecture 2pm – 4pm Tutorial
Mon, Aug 22 10am – 1pm Lecture 2pm – 4pm Tutorial	Tue, Aug 23 10am – 1pm Lecture 2pm – 4pm Tutorial	Wed, Aug 24 10am – 1pm Lecture 2pm – 4pm Tutorial	Thu, Aug 25 10am – 1pm Lecture 2pm – 4pm Tutorial	Fr, Aug 26 Test 1 10am – 12pm (*tentative*)
Mon, Aug 29 10am – 1pm Lecture 2pm – 4pm Tutorial	Tue, Aug 30 10am – 1pm Lecture 2pm – 4pm Tutorial	Wed, Aug 31 10am – 1pm Lecture 2pm – 4pm Tutorial	Thu, Sept 1 10am – 1pm Lecture 2pm – 4pm Tutorial	Fr, Sept 2 Test 2 10am – 12pm (*tentative*)
				Fr, Nov 18 Test 3 2 – 5pm (*tentative*)