



UNIVERSITY OF TORONTO

• Department of Economics (St. George) • ECO 1010: Mathematics & Statistics for MA & MFE • “Summer” 2012



ECO 1010 Google Calendar ([HTML](#), [ICAL](#))

Course Description

ECO 1010 is an intensive, required, course for all incoming MA (regular) and MFE students. The course provides an introduction to “master’s” level mathematical, statistical, and econometric methods. Topics include: calculus, envelope theorem, static and dynamic optimization, linear algebra, probability theory, statistics, hypothesis testing, and regression analysis.

Course Staff, Office, Office Hours, Lecture & Tutorial Locations

Instructor: Ajaz Hussain	TA: Ashique Habib
Office Hours: By appointment in GE 212	Office Hours: By appointment
E-mail: sayed.hussain@utoronto.ca	E-mail: ashique.habib@mail.utoronto.ca
Lectures: Monday through Friday in MP 137 (except Labor Day)	Tutorials: Monday through Thursday in MP 137 (except Labor Day)
Attendance is mandatory Audio and video recordings are NOT permitted	Attendance is mandatory Audio and video recordings are NOT permitted
Except for the 1 st lecture, all sessions begin 10 minutes after the hour. Lectures will have two 5-minute breaks. Tutorials will have one 5 minute break	

Course Material

ECO 1010 Lecture Slides [Required]

- Posted in [course plan](#) section below, midnight before lectures.
- You are expected to print and bring lecture slides to class in order to take notes.
- You can choose the number of slides per page to be printed by going to [Print → Print Properties](#)
- A very useful site: [Wolfram Alpha](#)

ECO 1010 HWs [Required]

- Posted in [course plan](#) section below by 4 pm.
- HWs are not graded.
- Solutions will not be distributed but the TA will go over the HW solutions in the tutorial sections.

MFE Students [Required]

- Excel 2010 or later
- You can buy Microsoft Office and other software at discounted rates from the [Licensed Software Office \(LSO\)](#) at Robarts Library (pricing: <http://www.utoronto.ca/ic/software/detail/mselect.html>)
- Please add-in “Developer Tab”, “Data Analysis (VBA)” and “Solver” ([instructions](#))
- Harvard Business School cases. TBA here.

Supplementary Material [Optional]

Note: Test and exam questions will *not* be drawn from supplementary materials.

- [Martin Osborne’s Math Tutorial](#)
- [Hanson: Econometrics](#)
- [Grinstead & Snell: Introduction to Probability](#)
- [Getting started with STATA](#)
- [Econ Graduate Notes](#)

Course Evaluation

<p>Test 1 = 30%</p> <p>To pass the course, you must score at least 50% on this test</p>	<p>Test 1</p> <p>Friday August 24th 2 - 4 pm in TBA Please see policies on missed tests below.</p>
<p>Test 2 = 30%</p> <p>To pass the course, you must score at least 50% on this test</p>	<p>Test 2</p> <p>Friday, August 31st, 2 - 4 pm in TBA Please see policies on missed tests below</p>
<p>Test 3 = 30%</p> <p>To pass the course, you must score at least 50% on this test</p>	<p>Test 3</p> <p>Friday, September 7th, 2 - 4 pm in TBA Please see policies on missed tests below</p>
<p><u>Pop Quizzes</u> = 10%</p> <p>To pass the course, you must have an average score of 50% the quizzes</p>	<p>Pop quizzes will be given during lectures and tutorials. Weight of each quiz = 10%/(# of quizzes)</p>

Tests and Exam Policies

- The test dates, times, and locations are:
 - Test 1: Friday August 24th 2 - 4 pm in TBA
 - Test 2: Friday, August 31st, 2 - 4 pm in TBA
 - Test 3: Friday, September 7th, 2 - 4 pm in TBA
 - To pass the course, you must score at least 50% on each test individually.
 - In case a student fails one or more tests, he/she will retake relevant test on Friday December 7th 2 – 5 pm.
- Please bring a scientific calculator and your student ID to all tests.
- All tests begin at the top of the hour. For example, a 2 – 4 pm test begins at 2 pm.
- You must be in the exam room on time (ideally 10 minutes before the test starts). You will not be given extra time if you're late.
- During the test you must show your student ID and sign the “signup sheet”.
- Stay seated until all tests have been collected and counted. You cannot leave the room during the last 10 minutes of a test.
- It is your responsibility to write your name and ID # on tests as they appear in ROSI. Failure to do so will result in a 5% penalty per incident.
- If you miss a test due to an illness then you must provide the instructor an original University of Toronto medical certificate (photocopies or emailed certificates will NOT be accepted). The note:
 - Must list the physician’s OHIP number
 - Clearly state that on the date of the test you were too sick to write the test. Illness *before* the test is *not* sufficient grounds for missing the test nor are statements that you would have performed “sub-optimally”.
 - To comply with these requirements, it is expected that you will have met with the doctor on the day of the test.
 - It is an academic offence to feign illness to avoid a test.
 - Notes from acupuncture clinics, chiropractors, “health care professionals”, hair transplant clinics, veterinarians, etc. will **not** be accepted.
 - The instructor will review the note and determine if you will be excused from missing the test. Part of this review process may include following up with the physician or the Graduate Chair.
 - *If* you are excused for missing a test(s) then:
 - You must take a ½ hour oral test with the instructor within one calendar (not business) week of the missed test. 25% of the missed test score will be allocated to the oral test.
 - It is *your* responsibility to contact the instructor to make an appointment for the oral test.
 - You will take a **comprehensive, cumulative make-up test** on Friday, September 7th, 5 - 7 pm in GE 213 and 75% of the missed test score will be allocated to the makeup test.
 - The makeup test will cover all material in the course up to the last lecture before the make-up test.
 - Makeup tests are not “bell curved”.
 - Consistent with university policy, there is no “make-up” test for the make-up test. No medical excuses will be accepted for missing the makeup test and a grade of zero will be applied.

Academic Integrity

Academic integrity is one of the cornerstones of the University of Toronto. It is critically important both to maintain our community which honors the values of honesty, trust, respect, fairness and responsibility and to protect you, the students within this community, and the value of the degree towards which you are all working so diligently. According to Section B of the University of Toronto’s Code of Behavior on Academic Matters which all students are expected to know and respect, it is an offence for students: To obtain unauthorized assistance on any assignment. showing another student completed work (e.g., an answer in a test); To falsify or alter any documentation required by the University. This, includes, but is not limited to, doctor’s notes; To use or possess an unauthorized aid in any test or exam; There are other offences covered under the Code but these are by far the most common. Please respect these rules and the values which they protect.

E-mail Policy

Email is not an appropriate forum for discussing details which is why we have set aside office hours. That said, email can be helpful on occasion, and within limits. Accordingly, we will endeavour to reply to email within 24 hours, except on weekends, with the following provisions: The question should require a one (or two) sentence response (maximum). If it takes more, office hours are the more appropriate venue; We won’t answer questions about Excel (or computing more generally). Such questions should be discussed in office hours; We won’t answer emails requesting information that can be found on the website or the syllabus; We will not reply to emails concerning grading. For such matters, office hours are more appropriate. It is also (strongly) preferable that you use a UToronto email address: University policy stipulates a preference for these email addresses. Always identify yourself in your email and please do not send attachments of any kind.

Detailed Course Plan and Schedule
(Updated regularly)



ECO 1010 Google Calendar ([HTML](#), [ICAL](#))

◀ Jul 2012		~ August 2012 ~					Sep 2012 ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
			1	2	3	4	
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20 Lecture 1 [10 am – 12 pm & 2 pm – 4 pm] (Please arrive by 9.55 am)	21 Lecture 2 Tutorial 1	22 Lecture 3 Tutorial 2	23 Lecture 4 Tutorial 3	24 Lecture 5 Test 1 2 – 4 pm in TBA	25 Extra session for MFE students 1 – 4 pm in GE 100	
26 Extra session for MFE students 1 – 4 pm in GE 100	27 Lecture 6 Tutorial 4	28 Lecture 7 Tutorial 5	29 Lecture 8 Tutorial 6	30 Lecture 9 Tutorial 7	31 Lecture 10 Test 2 2 – 4 pm in TBA		

						1 Extra session for MFE students 1 – 4 pm in GE 100
2	3 No Class No Tutorial	4 Lecture 11 Tutorial 8	5 Lecture 12 Tutorial 9	6 Lecture 13 Tutorial 10	7 Lecture 14 Test 3 2 – 4 pm in TBA <u>Comprehensive, Cumulative, Makeup Test</u> For Students who missed any test and permitted to write the makeup test 5 – 7 pm. <u>GE 213</u> There is no makeup to the makeup test	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	Notes:					