FALL 2023

# ECO 1010

Math-Stats-Review (MA & MFE)

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University of Toronto (STG)

# UNIVERSITY OF TORONTO (STG)
## DEPARTMENT OF ECONOMICS
## ECO 1010, MATH-STATS-REVIEW (MA & MFE), FALL 2023
### WEEKDAYS, 10 AM – 4 PM, AUGUST 15TH – SEPTEMBER 1ST IN BL205 AND TBA TEST LOCATIONS
### INSTRUCTOR: "AJAZ" HUSSAIN

| COURSE DESCRIPTION |
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| ECO 1010 is a mandatory ("credit/no credit") course for incoming MA, MFE and Rotman Marketing Doctoral students. The course reviews core math, probability. Stats, and econometrics modules for Master's level courses. |

| INSTRUCTOR: "Ajaz" Hussain | |
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| OFFICE: | • GE 178 (Max Gluskin House, 150 St. George Street) |
| E-MAIL (FOR PERSONAL COURSE-RELATED MATTERS) | • E-mail sayed.hussain@utoronto.ca from your UofT e-mail account with "ECO1010" and your student ID # in the subject line.<br>• See course policies section for additional info. |

| TEACHING ASSISTANT: Athul [Atom] Vayalinkal | |
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| OFFICE: | • GE 72 (Max Gluskin House, 150 St. George Street) |
| E-MAIL (FOR PERSONAL COURSE-RELATED MATTERS) | • E-mail atom.vayalinkal@mail.utoronto.ca from your UofT e-mail account with "ECO1010" and your student ID # in the subject line.<br>• See course policies section for additional info. |

| ECO 1010 Fall 2023 Course Schedule | | | | |
|---|---|---|---|---|
| View ECO 1010 Calendar in Browser | | | | |
| Add Course Calendar to Calendar-app (iCal format) | | | | |
| Session | Day-Date | "Topics" | Tutorial | Lecture/Test |
| 1 | Tuesday, August 15, 2023 | Math | | 1 - 4 pm |
| 2 | Wednesday, August 16, 2023 | Math | 10 am - Noon | 1 - 4 pm |
| 3 | Thursday, August 17, 2023 | Math | 10 am - Noon | 1 - 4 pm |
| 4 | Friday, August 18, 2023 | Math | 10 am - Noon | 1 - 4 pm |
| 5 | Monday, August 21, 2023 | Math | 10 am - Noon | 1 - 4 pm |
| 6 | Tuesday, August 22, 2023 | Math | 10 am - Noon | 1 - 4 pm |
| 7 | Wednesday, August 23, 2023 | Stats | 10 am - Noon | 1 - 4 pm |
| 8 | Thursday, August 24, 2023 | Stats | 10 am - Noon | 1 - 4 pm |
| 9 | Friday, August 25, 2023 | Stats | 10 am - Noon | 1 - 4 pm Test 1 ("Math") in location TBA |
| 10 | Monday, August 28, 2023 | Stats | 10 am - Noon | 1 - 4 pm |
| 11 | Tuesday, August 29, 2023 | Stats | 10 am - Noon | 1 - 4 pm |
| 12 | Wednesday, August 30, 2023 | Stats | 10 am - Noon | 1 - 4 pm |
| 13 | Thursday, August 31, 2023 | Stats | 10 am - Noon | 1 - 4 pm |
| 14 | Friday, September 1, 2023 | Stats | 10 am - Noon | 1 - 4 PM Test 2 ("Stats") in location TBA |

- Course schedule subject to change. Students will be notified of any changes through Quercus and the ECO1010 Google calendar will be updated.

## MARKING SCHEME

| ASSESSMENT | WEIGHT | "WHEN & WHERE" |
|---|---|---|
| ECO 1010 IS A CREDIT/NO-CREDIT COURSE. TO "PASS" THE COURSE, STUDENTS MUST SCORE AT LEAST 50% ON TEST 1 (MATH) [(MAX) 3 HOURS IN-PERSON TEST] AND OBTAIN AN AVERAGE SCORE OF AT LEAST 70% ACROSS TESTS 1 AND 2 | 45% | • 1 – 4 PM, Friday August 25th in location TBA<br>• Aids allowed: calculator and (both sides) of one 8.5" by 11" "cheat sheet" (write whatever you like).<br>• (Restricted) In-Person "Makeup Math Test": 5 – 8 PM, Friday, September 8th (conditional on approval from instructor; same coverage and aids as the regular test; no makeup for the makeup test. |
| ECO 1010 IS A CREDIT/NO-CREDIT COURSE. TO "PASS" THE COURSE, STUDENTS MUST SCORE AT LEAST 50% ON TEST 2 (STATS) [(MAX) 3 HOURS IN-PERSON TEST] AND OBTAIN AN AVERAGE SCORE OF AT LEAST 70% ACROSS TESTS 1 AND 2 | 45% | • 1 – 4 PM, Friday September 1st in location TBA<br>• Aids allowed: calculator and (both sides) of one 8.5" by 11" "cheat sheet" (write whatever you like).<br>• (Restricted) In-Person "Makeup Stats Test": 8 - 11 PM, Friday, September 8th (conditional on approval from instructor; same coverage and aids as the regular test; no makeup for the makeup test. |
| OVERALL ASSESSMENT MARK | 10% | • At the instructor's discretion |

- We will use Crowdmark to grade all assessments. Please see Crowdmark course policies.
- Your mark on a test reflects any adjustments to the raw scores such as adding points to everyone's score or not counting an unduly difficult/confusing question. Your mark, not your raw score, best reflects the quality of your submitted work.


## COURSE MATERIAL

**ECO 1010 Fall 2023 Course Website:**
[username and password posted Quercus "announcements"]
- **"Lecture Slides"** (posted by noon day of)
- **"Tutorial Exercises"** (posted by 6:30 pm day before)

**ECO1010 Fall 2023 Quercus Page:**
- Please check the Quercus Announcements page and your UofT e-mail inbox on a regular basis.
  - Make sure that Quercus settings are set to "receive notifications".
  - Make sure that you have registered your UofT e-mail account on Quercus and are not forwarding your UofT e-mails to an external e-mail account.

**[Optional]**
- Martin Osborne's *Math Tutorial*
- Alvin Drake: *Fundamentals of Applied Probability Theory*
- Hogg, McKean, and Craig: *Introduction to Mathematical Statistics*
- Hanson: *Econometrics*


## COURSE POLICIES

**"E-mail/Communications":**
- E-mail: sayed.hussain@utoronto.ca (read the following carefully):
  - You should ONLY contact us by e-mail with regards to urgent or personal/confidential matters and NEVER about course-related items (which should be discussed in lectures/tutorials).
  - If you *do* need to e-mail us then do so from your UofT e-mail address with your student ID # in the subject line. Please note we do not check e-mails on weekends and holidays nor outside business hours. It may take three-four business days to reply.
  - Never, ever, send e-mails with medical notes/documents and/or ACORN self-declarations.
  - Never, ever, "submit" assessments by e-mail
  - Do not send messages from Quercus.
  - Students registered with accessibility/accommodations services must have that office communicate with us through sayed.hussain@utoronto.ca

**"Crowdmark":**
- *"This course will use Crowdmark, a collaborative online grading tool for marking and providing feedback on assessments in conjunction with Quercus. Crowdmark provides efficiencies with grading, data recording, returning term assessments and handling regrade requests. Copies of student work marked in Crowdmark, including grading and feedback, will be available online to students for at least one year. Digital (i.e., online) copies will serve as the authoritative record for course administrative purposes, and paper copies of assessments scanned and uploaded to Crowdmark will be destroyed after the term has ended and final grades are approved. If you have questions about how your information is stored on Crowdmark, please contact us at sayed.hussain@utoronto.ca"*

**"Copyright Policy"**

- ECO1010 course materials are copyright protected and belong to the instructor, the University, and/or other sources depending on the specific facts of each situation. Students may download course materials for their own academic use, but cannot copy, share, or use them for any other purpose without the explicit permission of the instructor.

**"Accessibility Accommodations":**

- The University provides academic accommodations for students with disabilities in accordance with the terms of the Ontario Human Rights Code. This occurs through a collaborative process that acknowledges a collective obligation to develop an accessible learning environment that both meets the needs of students and preserves the essential academic requirements of the University's courses and programs. Students with diverse learning styles and needs are welcome in this course. If you have a disability that may require accommodations, the first step is to contact Accessibility Services.

**"Religious Accommodations":**

- The University provides reasonable accommodation of the needs of students who observe religious holy days other than those already accommodated by ordinary scheduling and statutory holidays. You have a responsibility to alert us in a timely fashion to upcoming religious observances and anticipated absences that affect your ability to fully participate in this course. We will make every reasonable effort to avoid scheduling compulsory activities at these times.

**"Academic Integrity": For *anything* that counts towards your course grade:**

- Attending review sessions organized by self-described tutoring services is an academic offence. We *will* report all suspected cases of academic misconduct to the Department of Economics and Dean's Office. The consequences can be severe. Being unaware of the policies or what is considered unauthorized collaboration (e.g., plagiarism) is not a defense.
- Please know that the University expects you to seek out additional information on academic integrity from the course staff and/or from other institutional resources. The University's Academic Integrity website is an excellent source of information. Further, it is a course requirement that you have read University's Code of Behavior on Academic Matters, especially section B which outlines what are considered academic offences.

**"Make-Up Test":**

- The *Verification of Illness* (also known as a "doctor's note") is not required. Students who require consideration for missed academic work should report their absence through the online absence self-declaration form through ACORN (under the Profile and Settings menu). For updates, please reference the University policy for absence declaration.
- Students should also advise their instructor of their absence. Instructors are not automatically alerted when a student declares an absence. It is a student's responsibility to let instructors know that they have used the Absence Declaration so that they can discuss any needed consideration, where appropriate. We may ask the department to confirm absences reported by students to ensure that they have been entered into the system on the dates indicated by a student.
- To be eligible to take the make-up test, you must, by the start time of the test, declare your absence for that day on Acorn *and* notify the instructor by e-mail (sayed.hussain@utoronto.ca). Students who do not qualify for writing the make-up test will receive a grade of zero for the missed test.
- Please see the course schedule for the makeup test date.

**"Re-grade Requests":**

- Re-grade requests must be submitted through a form which will be available for one week (on the **ECO 1010 Fall 2023 Course Website** [site username and password will be posted on Quercus]) starting one week after the assessment has been returned to students. Re-grade quests will not be accepted before or after this window.
- It is important that you clearly articulate why your response merits additional marks. Pointing to specific passages in either the "chapters", lecture videos, or notes in highly recommended. We will re-read your entire assessment. Your mark could go up, down, or remain unchanged.
- A calculation error does not constitute a "remarking request": in such cases, contact us at sayed.hussain@utoronto.ca.