UNIVERSITY OF
TORONTO

Department of Economics (St. George), ECO 1010, "Math-Stats" Review for Incoming MA (Regular-Stream) & MFE Students, Fall 2015

Course Description

ECO 1010 reviews mathematical, statistical and econometric techniques at the MA and MFE level. This course is mandatory for all incoming MA (Regular Stream) and MFE students.

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

Instructor: S. Ajaz Hussain **E-mail:** sayed.hussain@utoronto.ca **Lectures** 10 – 1 pm, Monday through Friday in MP 137 (Aug 24th – Sept 11th) No lecture: Sept 7th	**TA:** Ashique Habib **E-mail:** ashique.habib@mail.utoronto.ca **Tutorials** 2 – 4 pm, Monday through Friday in MP 137 (Aug 24th – Sept 11th) No tutorial: Sept 1st, 7th and 11th
Audio and video recordings **strictly prohibited** *Lectures/tutorials may run over and times are subject to change.*	

Course Evaluation

<u>Mandatory</u> Test 1 = 30% (2 - 4 pm, Wednesday, September 1st in TBA)

<u>Mandatory</u> Test 2 = 30% (2 – 4 pm, Friday, September 11th in TBA)

<u>Mandatory</u> daily HW to be handed <u>in person</u> at the <u>start</u> of the next tutorial session = 40%

If you miss a test:

calendar day of the missed test, contact me at <u>sayed.hussain@utoronto.ca</u> to inform me that you've missed the test and pr
explanation for why you missed the test

d the test due to "medical reasons": within 3 calendar days of the missed test, submit <u>original U of T medical certifica</u>
states you could not take test on the day and time of the test.

ical note is accepted, you will be permitted to makeup the test by writing a<u> comprehensive "math-stats" </u>makeup test from
Friday, December 4th

"fail" the course the first time around will be given a second chance by taking a<u> comprehensive "math-stats" </u>makeup tes
pm on Friday, December 4$^{th.}$

Course Material

- **ECO 1010 Lecture Slides [Required]**
  - Lecture Slides:

Lectures Part A: *Vectors, Matrices, Linear Algebra*

Lectures Part B: *Functions, Differential Calculus*

Lectures Part C: *Optimization and Comparative Statics*

Lectures Part D: *Probability Theory*

Lectures Part E: *Statistics and Econometrics*

- We suggest you print and bring the lecture slides to class/tutorials in order to take notes
- You can choose the number of slides per page to be printed by going to Print → Print Properties

- **ECO 1010 HWs [Required]**
  - Posted here August 24th onwards
  - Due in person at the beginning of tutorial sections
  - Solutions will not be distributed but the TA will go over the HW solutions in the tutorial sections.

- **Course Material [Highly Recommended]**
  - Martin Osborne's Math Tutorial
  - Alpha Chiang's "Fundamental Methods of Mathematical Economics"
  - Alvin Drake, Fundamentals of Applied Probability Theory
  - Hanson: Econometrics