

ECO 1011 H1F
Mathematics and Statistics
for PhD and MA Doctoral Stream Students
Department of Economics, University of Toronto
Summer 2013

Instructor: Prof. Martin Burda
Office: Economics Department, room 234
Contact: martin.burda@utoronto.ca; phone 416-978-4479

TA: Jie Cao
Office: Economics Department, room 78
Contact: jay.cao@utoronto.ca

Dates: August 19 – September 6, every working day (except Sep. 2 holiday)
Times: 10:00 am – 4:00 pm
Location: ES B142 (Earth Sciences B142 at 5 Bancroft Ave and 33 Willcocks St.)

Course Description

The course provides an intensive introduction to rigorous mathematical and statistical analysis at the graduate level. Topics include probability theory, statistical estimation, hypothesis testing, regression, static optimization in vector spaces, and optimization of dynamic systems. Statistical software will be used in class assignments. All PhD and MA students in the doctoral stream are expected to take the course.

Course Materials

Course materials consist of lecture notes that will be presented during the class time. There is no textbook for the course.

Evaluation

The final grade (credit or no credit) is based on the following:

Task	Weight	Date
Term Test 1	50 %	August 28, 2013
Term Test 2	50 %	September 6, 2013