Department of Economics

Math Camp for Incoming Graduate Students

Summer 2013

Instructor:
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Course Dates and Location:

Lecture Hall Room 2

S (August 17th) 10:00am-2:30pm

M,T,W,TH (August 19th-22nd) 7:00-10:00pm

1. Course Description

This course will be a review of mathematical concepts that you will need to understand and apply, especially during your first year of graduate work. In other words, the concepts explained in this course will not be reintroduced and explained by your professors but they will instead build upon them. Everyone is welcome to attend. However, if you already have a degree in math, physics, engineering … etc., you might discover that you already know these topics.

2. Topics:

Algebra, Linear/Matrix Algebra, Functions, Differentiation (Explicit & Implicit) & Integration, Multivariable Calculus, Probability, Set Theory, Proof Writing.

3. Tentative Schedule:

Date	Topic Covered
Saturday, August 17th	Algebra/ Matrix and Linear Algebra
Monday, August 19th	Calculus: Differentiation & Integration
Tuesday, August 20th	Multivariable Calculus
Wednesday, August 21st	Set Theory & Probability
Thursday, August 22nd	Proof Writing

4. Books:

Dowling, E. (2011, 3rd Edition). *Introduction to Mathematical Economics*. McGraw-Hill.

The book will NOT be available at the GMU bookstore. It's available online. Here's the link to buy it on Amazon:

http://www.amazon.com/Schaums-Outline-Introduction-Mathematical-Economics/dp/0071762515/ref=sr_1_1?s=books&ie=UTF8&qid=1337784888&sr=1-1

5. Registration:

There is no formal registration on patriot web for this course; however, if you are planning on attending please confirm here:

https://docs.google.com/spreadsheet/viewform?formkey=dFFtd3VWejNJTnZHajBnVkk4dnpRZnc6MQ#gid=0