Applied Math - MET MA 120 D1  
Spring 2011

Instructor: Timothy Kohl
Office: MCS 235
Telephone: 617-353-8203
E-mail: tkohl@bu.edu
Office Hours: Thu 4-5 and by appointment.
Lecture: MCS B33 Thu 6:00 PM - 9:00 PM


Remarks: This course is an introduction to basic mathematics including algebra and equations, functions, exponentials and logarithms, graphing, financial mathematics, probability and basic calculus.

Outline of topics to be covered:
(Important Note: Not all sections in a given chapter are covered.)

- Algebra and Equations - Chapter 1
- Graphs and Lines - Chapter 2
- Functions and Graphs - Chapter 3
- Exponential and Logarithmic Functions - Chapter 4
- Mathematics of Finance - Chapter 5
- Systems of Equations/Matrices - Chapter 6
- Probability - Chapter 8/9
- Differential Calculus - Chapter 11
- Applications of the Derivative - Chapter 12

Exams: During the semester, there will be two exams worth 100 points each, as well as a final exam worth 200 points. The schedule for these exams is given on the next page.
Homework: During the semester, I will generally assign homework each time the class meets. This homework is your primary means of learning the material, even more so than the lectures. Indeed, it is only by actually working out the solutions to problems that one really learns this material. Not doing homework is a bad idea and will result in a poor performance in the course.

Additionally, there will be, throughout the course of the semester, 10 turn-in homework assignments, each worth 10 points, for a total possible maximum of 100 points if you complete each perfectly. Each turn-in assignment will be due by the next class meeting after it was assigned, unless otherwise indicated.

Grading: Your grade in the course will be based on the combined sum of the two exams, 10 homeworks, and the final exam, out of a maximum possible total of 500 points.

Makeup Exams: Except in cases of documented illness, exams will be given only at scheduled times.

Cheating: I view cheating to be a very serious offense, and any cases of it will merit action by the Student Academic Conduct Review Board.

Important Dates:

Holidays: Thursday March 17 (Spring Break)
           Thursday April 21 (Substitute Monday)

Exam 1 – Thursday February 24
Exam 2 – Thursday April 14
Final     – Thursday May 12 @ 6PM

The last lecture will be Thursday, May 5.

Web Page: There is a web page for the course where you can find the homework assignments listed, as well as the syllabus and other materials that will be made available during the course.

The URL is:

http://math.bu.edu/people/tkohl/teaching/current/