Instructor: Lijun Peng

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Office Hour: 4pm-5pm on Monday, Tuesday and Thursday or by appointment.

Course Website: http://math.bu.edu/people/ljpeng/MA122/MA122.htm

Course Overview:

This course will cover a review of one-variable calculus, calculus of the elementary transcendental functions, elementary differential equations, elementary multivariate calculus, and applications to exponential growth, optimization, equilibrium, and dynamic modeling problems.

Prerequisites: CAS MA 121 or CAS MA 123

Lectures:

We will meet for lectures in room B31 of MCS on Monday, Tuesday and Thursday from 6pm to 8:30pm.

Textbook:

● *Calculus: for Business, Economics, Life Science, and Social Sciences, twelfth edition*, written by Barnett, Ziegler and Byleen.
● *Additional Calculus Topics, twelfth edition,* [same authors] (to accompany the text).

In earlier editions the problems are different, so you will definitely need continuous access to a copy of the twelfth edition. We will review Chapters 3-6 and cover Chapters 7-9 from the first textbook and Chapters 1 and 2 of the supplement.

Quiz:

A weekly quiz will be given at the beginning of class on Mondays except July 2. There will be 5 quizzes in total. Each quiz will contain one question (possibly with multiple parts) and run 10 or 15 minutes depending on the difficulty of the quiz. The lowest quiz score will be dropped. No make-up quiz will be offered.

Homework:

Homework will be assigned daily, collected weekly on Thursdays and returned on Mondays. This homework is your primary means of learning the material. A respectable subset of the problems assigned will be graded for credit. You should, however, solve homework problems as the topics arise in class. No late homework will be accepted.

Exams:

There will be two exams in this course: an in-class midterm and an in-class final. The final exam will be held at the University-scheduled time, which is August 9th during the normal class time. Both exams will run 2 hours. The use of calculators, textbooks, or notebooks will not be permitted during the exam. A formula sheet will be provided. No make-up exams will be offered with the exception of serious personal illness or family emergency. In any case, you will be required to obtain a letter from the Office of the Dean stating the reason and notify me in advance.

Important Dates:

July 2	Classes Begin
July 9	Last Day to Add/Drop Without 'W'
July 19	Midterm
July 26	Last Day to Withdraw With 'W'
Aug 9	Final Exam

Grading Policy:

Your grade will be determined by the following process:

- Quiz 10%
- Homework 30%
- Midterm Exam 30%
- Final Exam 30%

Academic Conduct:

It is the student's responsibility to read and understand the provisions of the CAS Academic Conduct Code. You are to rely only on your own ideas and knowledge in solving the problems on exams. In the event of cheating, you will be referred to the University Academic Standards Committee for disciplinary action.