Calculus for the Life and Social Sciences II - MA 122 SA1
Summer II - 2013

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Office Hours: M,T,W 4-5

Lecture: MCS B21 - M-Th 11:00AM - 1:00 PM

Text: Calculus for Business, Economics, Life Sciences, and Social Sciences by Barnett, Ziegler, and Byleen (12th edition)
Additional Calculus Topics [same authors] (to accompany the text)

Remarks: In this class we shall continue the study of integration, in particular developing various techniques and applications. Closely related to this will be a brief introduction to differential equations. The remainder of the semester will be devoted to sequences and series as well as an introduction to multivariate calculus.

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

[Text] Integration and Differential Equations - 6.1-6.5
[Supplement] Differential Equations - 1.2-1.3
[Text] Additional Integration Topics - 7.1-7.3
[Supplement] Taylor Series - 2.1-2.4

Exams: During the term, 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 term, I will generally assign homework on a daily basis. 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, 5 turn-in homework assignments, each worth 20 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, 5 homeworks, and the final exam, out of a maximum possible total of 500 points.

**Makeup Exams:** Except in cases of illness, and then, only with a signed doctor’s note, exams will be given only at scheduled times.

**Cheating:** I consider cheating and plagiarism to be very serious offenses, and any cases of it will merit action by the University Academic Standards Committee.

**Important Dates:**
- **Holiday:** Monday May 27
- **Substitute Monday:** Friday May 31 (i.e. class will be held on this day)
- **Exam 1** - Friday May 31
- **Exam 2** - Thursday June 13
- **Final** - Thursday June 27

**Last Day to Withdraw (with a 'W')** - Thursday June 13

The last lecture will be Wednesday June 26.

**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/](http://math.bu.edu/people/tkohl/teaching/current/)