Calculus II - MA 124 B1
Fall 2004

Instructor: Timothy Kohl
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Office Hours: M,W 3-4 and by appointment.
Lecture: STH B19 - MWF 11:00 AM - 12:00 PM
Discussion CAS 314 - M 12:00 PM - 1:00 PM
CAS 325 - W 12:00 PM - 1:00 PM


Remarks: In this class we shall continue the study of integration, in particular developing various techniques of integration as well as applications of integration. We shall also study the analytic properties of logarithmic, exponential, and trigonometric functions. The remainder of the semester will be devoted to sequences and series.

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

Techniques of Integration - Chapter 5
Applications of Integrals - Chapter 6
Sequences and Series - Chapter 8
Differential Equations (time permitting) - Chapter 7

Discussion: You must be registered for one of the discussion sections for this class (B2 or B3) in addition to the lecture (124 B1). The discussion period will be used for going over homework, and is an excellent opportunity for you to see certain questions worked out in more detail than you would in class, or in the textbook. This is a resource you are strongly encouraged to take advantage of.

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 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, 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 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:

Holidays: Monday October 11
   Thanksgiving Break: Wednesday November 24 - Friday November 26

Exam 1 – Friday October 22
Exam 2 – Friday December 3
Final – Friday December 17 [12:30-2:30]

Last Day to Withdraw (without receiving a 'W') - Tuesday October, 12
Last Day to Withdraw (with a 'W') - Friday October, 29

The last lecture will be Monday, December 13.

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/