Math 107H Calculus II
Section 004

Lecture: MTWRF 9:30-10:20 Military and Naval (M& N) B6

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WWW pages for this class: http://www.math.unl.edu/∼mbritten/classwk/107f03/

(There you will find copies of nearly every handout from class, lists of homework problems assigned, dates for exams, etc.)

Office Hours: (tentatively) Mo 11:00-12:00, Tu 2:00 - 3:00, We 1:00-2:00, and Th 11:00 - 12:00, and whenever you can find me in my office and I'm not horrendously busy. You are also quite welcome to make an appointment for any other time; this is easiest to arrange just before or after class.

Text: *Calculus*, by Smith and Minton (McGraw-Hill, 2nd edition).

This course, as the name is meant to imply, is a continuation of Calculus 1. We will pick things up slightly before where that course left off, and essentially work our way through the second third of the text. In particular, we will cover the following chapters of the book (although not necessarily in this order):

Ch. 4, Integration
Ch. 5, Applications of the Definite Integral
Ch. 6, Exponentials, Logarithms, and Other Transcendental Functions
Ch. 7, Integration Techniques
Ch, 8, Infinite Series
Ch, 9, Parametric Equations and Polar Coordinates

Homework will be assigned from each section, as we finish it. It is an essential ingredient to the course - as with almost all of mathematics, we learn best by doing (again and again and ...). Cooperation with other students on these assignments is acceptable, and even encouraged. However, you should make sure you are understanding the process of finding the solution, on your own - after all, you get to bring only one brain to exams (and it can't be someone else's). For the same reason, I also recommend that you try working each problem on your own, first. Some portion of the homework will be collected and graded; it will count 60 points toward your final grade

Quizzes will typically be held each Friday, at the end of class, unless that week includes an exam (in *our* class...). They will cover material presented in class through the previous Wednesday. Your lowest two quiz grades will be dropped before computing your quiz score, which will count 100 points toward your grade. A missed quiz will count as zero (and will therefore be the first grade dropped); a make-up quiz can be arranged only under the most unusual of circumstances.

Midterm exams will be given three times during the semester, in the evenings, from 7pm to 9pm. Specific dates will be worked out at the beginning of the semester. Each exam will count 100 points toward your final grade. You can take a make-up exam only if there are compelling reasons (a doctor SAYS you were sick, jury duty, etc.) for you to miss an exam. Make-up exams may be harder than the originals (because make-up exams are harder to write!).

Finally, there will be a regularly scheduled **final exam**, on Monday, December 15, from 7:30am to 9:30am. It will cover the entire course, with a slight emphasis on material covered after the last midterm exam. It will count 140 points toward your grade.

Your course grade will be based upon this total of $60+100+3\times100+140 = 600$ points, and will be converted to a letter grade, taking into account the overall average of the class. However, a score of 90% or better will guarantee some kind of **A**, 80% or better at least some sort of **B**, 70% or better at least a flavor of **C**, and 60% or better at least a **D**.

In mathematics, new concepts continually rely upon the mastery of old ones; it is therefore essential that you thoroughly understand each new topic before moving on. (In particular, a proper mastery of the material from Calculus I is central to making your Calculus II experience bearable. The time to start reviewing that material is now!) Our classes are an important opportunity for you to ask questions; to make sure that you are understanding concepts correctly. Speak up! It's your education at stake. Make every effort to resist the temptation to put off work, and to fall behind. Every topic has to be gotten through, not around. And it's alot easier to read 50 pages of the text in a week than it is in a day. Try to do some mathematics every single day. **Class attendance** is probably your best way to insure that you will keep up with the material, and make sure that you understand all of the concepts. And in the end it's not what the book says, but what the *instructor* says, that is usually the most important to learn. (Books don't write exams.) This makes it doubly important to attend class.

Math Resource Center: Students in Math 107 are encouraged to use the Mathematics Resource Center (MRC) in Burnett 106 as a source of additional assistance on questions related to this course. The hours for the MRC are 12:30-8:30 p.m. Monday through Thursday, 12:30-2:30 p.m. Friday and 1:00 - 5:00 p.m. Sunday.

Departmental Grading Appeals Policy: Students who believe their academic evaluation has been prejudiced or capricious have recourse for appeals to (in order) the instructor, the departmental chair, the departmental appeals committee, and the college appeals committee.

Some important academic dates

August 25	First day of classes.
September 1	Labor Day - no classes.
September 5	Last day to withdraw from a course without a **'W'**.
October 17	Last day to change to or from P/NP.
October 20-21	Fall break - no classes.
November 14	Last day to withdraw from a course.
November 26-30	Thanksgiving break.
December 13	Last day of classes.
December 20	Commencement.