SYLLABUS

Math 185 – Section 4

- Instructor: Karl Schwede
- Class web page: http://www-personal.umich.edu/~kschwede/math185
- Text: *Calculus and Linear Algebra* by Wilfred Kaplan and Donald Lewis
- Contacting the instructor:
    - Email: kschwede@umich.edu
    - Office: 3828 East Hall
    - Office Hours: Tuesday: 2-3pm, Thursday: 12:30-1:30pm, Friday: 12-1pm
    - Instant Messaging (do not email me at these addresses, I won't get it):
      AIM: keschwede
      MSN: kschwede@mailcity.com
    google: kschwede@gmail.com

Course Content: We will be covering most of chapters 1 through 4 in the book. There will be some emphasis on mathematically rigorous explanations (ie. *proofs*). There will be a heavier emphasis on theory in this class than in Math 115

Honors course: The curriculum of this class is undergoing some large changes. In the past, this class wasn't viewed by many students as much harder than Math 115, that is going to change and this class is going to become a "real" honors course. This means that you will be expected to do harder problems and master more difficult concepts than is expected in Math 115.

Homework, Quizzes, Exams, etc: We will have weekly homework of various forms and two midterms, there may be occasional quizzes as well. The first midterm will be on October 12th. The second midterm will be the week of Thanksgiving (exact date to be determined). There will be no calculators allowed on exams, so please learn how to do problems without using a calculator. Homework problems will emphasize correct reasoning/explanation. I would also ask that you *read* the section of the book to be covered that day in class, *before* class. I strongly encourage you to work with each other on homework problems, but each person needs to turn in their own write-up.

Your grade:

30% Homework (and other activities)
15% Midterm #1, October 12th
25% Midterm #2, The week of Thanksgiving, probably not Wednesday.
30% Final

The actual assigning of letter-grades to percents will be done later in the quarter.

Weekly problem sessions: We'll try to find a time that works best for people today. More about this will be announced soon.

First homework: In general homework will be posted on the website. Read sections 1.2-1.6 by Wednesday. Do the following problems (Due Tuesday September 11th).

- Section 1.4 2,4,5,7,8
- Section 1.5 1,4,8,9

Extra problems: There are a couple problems on the web-site. Write these problems up very nicely and turn them in on a separate sheet of paper. Due Monday September 10th.