Honors 2201-4 Calculus for Students in Non-Technical Majors Part I

Course Meets:
MTWF 8:35-9:25AM  AEB 106

Text:
Calculus: Modeling and Application by Smith and Moore
Course Lecture Notes - to be handed out as appropriate

Instructor: Nancy Sundell-Turner
Office: LCB 333 and South Bio 323
E-mail: sundell@math.utah.edu
Phone: 585-1637

Office Hours: all in LCB 333
Monday 10:45-11:45am
Wednesday 9:40-10:40am
Thursday 8-9am
Friday 9:40-10:40am
The times listed above are times when I will definitely be in my office, and you can stop by to ask any questions you might have. If you are unable to come during the scheduled office hours and would like to meet with me, please feel free to e-mail, call, or talk to me at class to set up another time.

Grades: Your overall course grade will be approximately determined by the following:

Homework and in class group work - 60%
Four exams - 10% each

Homework: Homework will be assigned each week and will be due on Wednesdays at the start of class, 8:35AM (beginning Wednesday August 27). The one exception to this will be during exam weeks when the homework due date may be shifted by a day or two. These changes will be announced in class and listed on the web page syllabus (mentioned below). No late homework will be accepted except under unusual circumstances. I reserve the right to determine whether or not you have a valid excuse. If you are ill and must miss class on the day homework is due, send me an email, call or have a friend send an email or call to let me know. If you know that you will
miss class on the day the homework is due, you must make arrangements with me AHEAD OF TIME to hand the assignment in early.

Each homework will be graded out of 20 points based on the content of your answers and clarity of your explanations. If a problem asks for an explanation of your work, I expect your answer to be written in complete and grammatically correct English sentences. An often underdeveloped skill in mathematics (and other fields) is the ability to clearly explain one’s reasoning and logic. The process of writing mathematics in words is often a good way to discover aspects of a problem that you may not fully understand, and need to look over again in more detail.

It is in your best interest to work on all the problems and ask for help on those that you cannot figure out on your own. I will take time at the beginning of class on Tuesdays (the day before the homework is due) to answer questions for the assignment due on Wednesday. However, questions are welcome anytime. You may work together on the assignments, but you must turn in your own work to get credit. Throughout the semester, there will be in class group work which I will ask you to write up on your own and hand in with the other assigned problems for that week.

**Exams:** There will be four exams during the semester: September 19, October 17, November 7, and December 3. The class period before each exam will be used for review problems and student questions. Each exam will be worth 10% of your overall grade. The main focus of the exams will be on general concepts as opposed to complicated algebra and other computations. That is not to say that there will be no computations on the exams, but rather don’t let yourself panic too much over algebra problems you may be having. The exams will **not** be cumulative, unless a later topic builds upon an earlier one (as is often the case in mathematics). There will be no final exam. If you have a conflict with any of these exams, please let me know at least one week before the exam date. A missed exam cannot be made up unless there is a medical/family emergency.

**Calculators:** I will not be requiring you to buy any particular type of calculator for this course. Graphing calculators may be useful for many of the homework assignments, and in class problems. If you have one, feel free to use it in these instances. However, in general you will **not** be allowed to
use calculators on the exams, so don’t become too dependent on them.

**Material Covered:** Roughly, we will cover chapters 1-4 of the text book, with additional material added to supplement the text. Most of the time, I will hand out notes in class for the supplemental material. These notes, any other handouts, and an ongoing course syllabus will be available on my web page:

   www.math.utah.edu/~sundell/honors2201fall03.html

This will list the topics being covered as well as the current homework assignments, and solutions to selected problems. Please check this web page frequently, especially if you miss class. The syllabus will be updated during the semester, as we may spend more or less time on the given topics depending on the interest and understanding of the class.

**Mathematics Tutoring Center:** The Mathematics Tutoring Center (located in the basement between the two math buildings (JWB and LCB)) offers free, drop-in tutoring. The tutoring center will open Wednesday, August 27, and the hours are: 8am-8pm Monday-Thursday and 8am-6pm on Friday. The tutoring center is closed on weekends and University holidays.

**Final Thoughts:** I would like for this to be an enjoyable class for all of you as well as for myself. Therefore, any comments, suggestions or requests that you have are always welcome. Feel free to e-mail, come talk to me, or voice your opinions anonymously. If there are particular topics or mathematical concepts that you would like to learn more about, mention them to me, and I’ll try to fit them in during the semester.