

APPM 1350

Calculus I for Engineers

Spring 2009

Where and when: MWF 1-1:50pm, ECCR 1B40

Instructor: Anca Radulescu, office ECOT 338

Office hours: W 9am-12pm

Course Goals: (1) Understand the concepts and techniques of differential and integral calculus and (2) improve your problem solving and critical thinking skills.

Text: Calculus and Analytical Geometry by Thomas & Finney (blue cover) OR Thomas' Calculus, Alternate ed., by Thomas & Finney (maroon cover).

Recitations: Recitations meet for 1 hour on Tuesdays. The purpose of the recitation is partly to help you with the homework you do not understand. More importantly, it is intended to further clarify the Calculus I concepts.

Homework and quizzes: To do well in this course come to the lectures and do (and understand) the homework. Ask questions. Homework is due at the start of lecture. Late homework will not be accepted or graded. Selected problems will be graded and then returned during the next recitation. Solutions will be posted on the web.

Exams: There will be three unit exams and a comprehensive final. The unit exams will be given on Wednesdays (Feb 11, Mar 11, Apr 15) from 5-6:30 pm. The final exam is on Saturday, May 6 (location and time TBA). There will be an optional exam on Apr 29. At that time you may make-up any of the previous unit exams. As you enter the room, you must declare the exam that you wish to make up. At the conclusion of the exam, you may decide to throw away the exam, or to hand it in for grading. Once you hand it in, the grade you will receive will be the grade for the exam, even if it is lower than the original grade. Bring your CU ID to every exam. Electronic devices are not allowed during the exams. If you have questions about exam grading, within one week of the exam submit to your instructor a detailed written explanation addressing specific grading errors.

Grade determination: There are a total of 600 points for the course: homework assignments (100 points), recitation quizzes (50 points), three unit exams (100 points each), and a cumulative final exam (150 points). The total scores out of 600 will be curved when assigning letter grades. No letter grades will be given for the midterms or other course work; as a guideline, you can use the following information, which is curve-independent: 90% and above guarantees an A or A- in the course, 80% some form of B, and 70% a C.

Calculators: A graphing calculator is suggested for this course, such as TI 83, TI-89 or TI-92.

Dropping the course: Advice from the Dean's office is recommended before dropping any course. After February 25, dropping the course is possible only with a petition approved by the Dean's office.

Extra help: You are encouraged to get extra help whenever you need it. The TAs and I each have office hours, which are posted on the webpage. You may go to any instructor's or TA's posted office hours, even if they are not your regular instructor or TA. Also, you may register for GEEN 1350, a 1-credit hour pass/fail workshop course, to help you with Calculus I. The CU Residence Halls run regular Math Labs, tutoring is available through the dorms or the Engineering Peer Advocates, and evening online tutoring is available at <http://onlinetutor.cu.edu>.

Course web page: (<http://amath.colorado.edu/courses/1350/>) It is your responsibility to check the web page on a regular basis. Here you will find detailed information such as homework assignments and solutions, past exams, tutoring options, pre-exam review sessions, exam rooms and times, and office hours. In addition, it contains policies on illness, academic honesty, and special accommodations for religious holidays and documented special needs. Please periodically check your grades on WebCT.

Blue books: Each student is required to purchase five 8.5 x 11 blue books and give them to the TA by the third recitation (January 27). Failure to hand in the blue books by the deadline will result in 10 points penalization in the recitation score. These will be distributed at the exams, so please do not write anything (not even your name) on the front of the blue books.

Academic Honesty: Students are encouraged to work in groups, however, all work turned in must be your own. Violation of the CU Student Honor Code (<http://www.colorado.edu/academics/honorcode>) or the College of Engineering's Academic Honesty Advising Guidelines (<http://www.colorado.edu/engineering/arugradadvising.html>) will result in a final grade of F in this course.

Beyond Calculus I: You must receive a grade of C- (or C, depending on your major) or better in this course in order to advance to APPM 1360, unless a petition is approved by the Dean of the College of Engineering.