

APPM 1350

Calculus I

Spring 2012

Course Webpage: <http://amath.colorado.edu/courses/1350>

Lecture 010, MWF 1:00–1:50 pm, ECCR 265
Instructor: Prof. Silva Chang, ECOT 242, (303)492-4728
silva.chang@colorado.edu

Lecture 020, MWF 9:00–9:50 am, ECCR 151
Instructor: Prof. Andrew Guinn, ECOT 242, (303)492-4728
andrew.guinn@colorado.edu

Course Goals: The course goals are (1) to learn the concepts and techniques of differential and integral calculus and (2) to improve your problem solving and critical thinking skills. This class will form the basis of your set of everyday working skills required for Math, Engineering and the Sciences.

Text: Chapters 1–5, and Appendices A and C, from Stewart's *Essential Calculus*. **You will also need an access code for WebAssign's online homework system. The ISBN for the book, bundled with the access code, is 0-538-49741-6 or 978-0-538-49741-1.**

Recitations: Recitations meet for 1 hour on Tuesdays. The primary purpose of the recitation is to further clarify concepts and help students make connections between concepts.

Homework: To do well in this course you must **come to the lectures, work and understand** the homework. Homework (online through WebAssign and written) is assigned at the end of each lecture. The written problems are due at the start of the next lecture and the online homework is due by 8 am the day of the next lecture. **Late homework will not be accepted or graded.** Because of this policy, your three lowest online homework scores and your three lowest written homework scores will be dropped. Solutions to the written problems will be posted on the course webpage. Solutions to the online problems will be available immediately after the due date has passed.

Online Homework: Online homework can be accessed through the webpage
<https://www.webassign.net/colorado/login.html>
Login with your CU Login name (8 characters) and your CU IdentiKey Password.

Exams: There will be three midterm exams and a comprehensive final. The midterm exams will be given on Wednesdays (**Feb 15, Mar 14, Apr 18**) from **5-6:30 pm**. The final exam is **Sat, May 5** from **10:30 am–1:00 pm**. There will be **no** make-up exams or early exams. If you are sick during a unit exam, you must bring a note from your doctor verifying your illness and your inability to take the exam. Your course grade will then be determined by the rest of your course work. Please bring your CU ID to each exam. No electronic devices (e.g. computers, calculators, cell phones, etc.) are allowed at the exams.

Orals: Oral assessments will be offered prior to each midterm. They are optional, but strongly recommended.

Grade determination: There are a total of 600 points for the course. The points are distributed over homework assignments (50 points for online homework, 50 points for written), recitation quizzes (50 points), three midterm exams (100 points each), and a cumulative final exam (150 points).

You must earn an average of C- or better on your exams (midterms and final) in order to earn a C- or better in the course. After the final exam, if your exam scores average to less than C-, it is not possible to earn a C- or better in the class. After the final exam, if your exam scores average to a C- or better, then your homework and quiz points will be factored in to determine your course grade. (Note: It is possible to have a C- average on the exams and still earn a D or F in the course if your homework and quiz scores are low.)

Technology: A graphing calculator that can do symbolic calculations may be useful (but is not required) for this course.

Extra help: The TAs and instructors each have office hours, which are posted on the webpage. You may go to any TA or instructor's posted office hours, even if they are not your regular instructor or TA. Review sessions will be scheduled just before each exam. Additional assistance is available in the CU Residence Halls, the BOLD center, and from the Engineering Fellows. Details will be posted on the course webpage.

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.

Blue books: Each student is required to purchase **five** 8.5×11 blue books and give them to the TA by the second recitation (Jan 25). These will be distributed for the exams, so please do not write anything (not even your name) on the front of the blue books.

Beyond Calculus I: You must receive a grade of C- or better in this course in order to advance to APPM 1360 (a grade of C or better is required in aerospace engineering).

Dropping the course: Advice from the Dean's office and your department advisor is recommended before dropping any course. After Feb 29, dropping the course is possible only with a petition approved by the Dean's office.

Academic Honesty: Students can learn with others, 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://engineering.colorado.edu/Advising_Guides/Academic_Honesty.pdf) will result in an automatic final grade of F in this course.