APPM 1360 Calculus II Spring 2005

Lecture 010, MWF 8:00–8:50 am, ECCR 1B40
Instructor: Adam Norris, ECOT 217, (303)492-7566
adam@colorado.edu

Lecture 020, MWF 11:00–11:50 am, ECCR 1B40
Instructor: Jem Corcoran, ECOT 238, (303)492-0685
corcoran@colorado.edu

Lecture 030, MWF 1:00–1:50 pm, ECCR 265
Instructor: Mark Ablowitz, ECCR 255, (303)492-5502
mark.ablowitz@colorado.edu

Lecture 040, MWF 10:00–10:50 am, ECCR 155
Instructor: Adam Norris, ECOT 217, (303)492-7566
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Course Goals: This course extends the concepts and techniques of single-variable Calculus. The main topics include applications of integrals, integration techniques, infinite series and planar curves. This class will form the basis of your set of everyday working skills required for Mathematics, Engineering and the Sciences.

Text: Chapters 5, parts of 6, and 7–9 of *Calculus and Analytic Geometry*, 9^{th} ed., 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. More importantly, the recitation is intended to further clarify the Calculus II concepts.

Homework: 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 recitation, except as noted. Late homework will **not** be accepted or graded. Selected problems will be graded and then returned during the next recitation. Homework solutions will be posted on the course web page.

Exams: There will be three midterm exams and a comprehensive final. The midterm exams will be given on Wednesdays (Feb 2, Mar 2 and Apr 6) from 7:00–8:30 pm, with no exceptions. The final exam is Monday, May 2 from 7:30–10:00 pm. There will be **no** make-up exams or early exams. If you are sick during a unit exam, please bring a note from your doctor verifying your illness. Your course grade will then be determined by the rest of your course work. Please bring your CU ID to each exam. Electronic devices are not allowed on the exams.

Grade determination: There are a total of 600 points for the course. The points are distributed over homework assignments (100 points), three midterm exams (100 points each), and a cumulative final exam (200 points).

Technology: A graphing calculator that can also evaluate definite integrals and series is suggested for this course. The TI–89 or TI–92 are recommended because of their ability to do symbolic calculations. There will be five computer-based learning modules assigned during the semester. The goal of the modules is to use computers to gain a better understanding of selected Calculus II concepts. Completion of all five modules will earn you 15 extra credit points. Further details will be posted on the course web page.

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, the CU Residence Halls run regular Math Labs, and tutoring is available through the dorms or the Engineering Peer Advocates. In addition, review sessions will be scheduled just before each exam. Finally, evening tutoring help is available through the online tutoring program, *http://onlinetutor.cu.edu*.

Course web page: (*http://amath.colorado.edu/courses/1360/*) 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 18). 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 II: You must receive a grade of C- or better in this course in order to advance to APPM 2350 or 2360, unless a petition is approved by the Dean of the College of Engineering.

Dropping the course: Advice from the Dean's office and your department advisor is recommended before dropping any course. After Feb 23, dropping the course is possible only with a petition approved by the Dean's office.

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/ar_ugradadvising.html*) will result in an automatic final grade of F in this course.