

APPM 1360

Calculus II

Fall 2009

Lecture 010

MWF 8–8:50 AM, BESC 180
Instructor: Dr. Ann Scheels
ECCR 251 MWF 9:15 AM-11:15
ann.scheels@colorado.edu

Lecture 020

MWF 1–1:50, ECCR 245
Instructor: Dr. Amy Biesterfeld
ECOT 242 MWF 11:30 AM-12:45
amy.biesterfeld@colorado.edu

Lecture 030

MWF 2–2:50, ECCR 265
Instructor: Dr. Sujeet Bhat
ECOT 338 MWF: 11 AM-12
sujeet.bhat@colorado.edu

Course Objective: (1) Understand the concepts, techniques and applications of differential and integral calculus, (2) to understand sequences and series, and (3) to improve problem solving and critical thinking skills.

Text: We will cover Chapter 6.10, 6.11, 5.1–5.7, 7.1–9.9 of *Calculus*, 9th ed. by Thomas & Finney (blue cover) or *Thomas' Calculus, Alternative ed.*, by Thomas & Finney (maroon cover).

Recitations: Recitations meet on Tuesday. The purpose of the recitation is to help you with the homework and to clarify the Calculus II concepts covered. *Be sure to have read the book and tried the homework problems prior to recitation.*

Grade Determination: There are a total of 650 points for the course: homework assignments (100 points), three unit exams (100 points each), recitation quizzes (50 points) and a cumulative final exam (200 points).

Homework and Quizzes: To do well in this course you must *come to the lectures, read the textbook, do (and understand) the homework and work as many problems as needed for you to understand the concepts.*

Homework is due in class. Late homework will not be accepted. Selected problems will be graded.

Exams: There will be three unit exams and a comprehensive final. The midterm exams will be given from 7:00–8:30 p.m. on **Wednesdays** (Sept. 23rd, Oct. 21st and Nov. 18th) with no exceptions. The final exam will be given on **Saturday, December 12th** from 10:30 a.m.–1 p.m. Check the course webpage for exam locations. 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. Your course grade will then be determined by the rest of your course work. Please bring your CU ID to each exam. Electronic devices of any kind (*e.g.* calculators, computers, MP3 players, cell phones, etc.) are **NOT** allowed during the exams. Requests for special accommodations for religious holidays and/or documented special needs should be submitted to your instructor within two weeks of the beginning of the semester.

Course webpage: <http://amath.colorado.edu/courses/1360/> It is your responsibility to check the webpage on a regular basis. Here you will find detailed information such as homework assignments and solutions, past exams, 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 (Sept. 1st.) These will be distributed for the exams, so please do not write anything (not even your name) on the front of the blue books.

Dropping the course: Advice from the Dean's office and your department advisor is recommended before dropping any course. After October 7th, dropping the course is only possible with a petition approved by the Dean's office, see http://registrar.colorado.edu/calendar/calendar_fall09.html.

Beyond Calculus II: You must receive a grade of C- or better in this course in order to advance to APPM 2350 (a C or better in some majors), unless a petition is approved by the Dean of the College of Engineering.

Extra help: In addition to instructor office hours and the TA's office hours, the CU Residence Halls run regular Math Labs and tutoring is available through the dorms, the Engineering Peer Advocates, and the Engineering Fellows as well as online at <http://onlinetutor.cu.edu>. You may also register for GEEN 1360, an optional 1 credit pass/fail workshop course designed to help with Calculus II.

Academic Honesty: Students can 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 the course.

APPM 1360			Homework			Fall 2009	
Week	Date	Section	#	Problems	HW Due	Grade	
1	Mon, Aug 24	Review	1	p.548: 3,7,9,13,24,28,42,44,59,86,93,95,103	26-Aug-09		
	Wed, Aug 26	6.10	2	1,4,6,12,17,24,32,37a,45,54,60,69,72	28-Aug-09		
	Fri, Aug 28	6.11	3	2,5,10,13,16,21,36,43,46	31-Aug-09		
2	Mon, Aug 31	5.1	4	1,3,5,7,12,14,17,27,31,38,50	2-Sep-09		
	Wed, Sep 2	5.2-5.3	5	5.2: 1a,1b,2d,5 5.3: 3,7,8,11,13,14	4-Sep-09		
	Fri, Sep 4	5.3	6	19,24,25,29,35,39	9-Sep-09		
3	Mon, Sep 7	Labor day	No Classes				---
	Wed, Sep 9	5.4	7	1,2,6,9,12,17,22,23,30a,37	11-Sep-09		
	Fri, Sep 11	5.5	8	1a,3a,8a,10,12,18,21,22	14-Sep-09		
4	Mon, Sep 14	5.6	9	3a,4a,8a,13,16,20,23,27	16-Sep-09		
	Wed, Sep 16	5.7	10	1,3,7,12,14,18,21,25	18-Sep-09		
	Fri, Sep 18	7.1	11	3,7,12,17,19,22,25,32,34,38,50,58,65,78	21-Sep-09		
5	Mon, Sep 21	7.2	12	3,5,6,8,16,18,21, 24,25	25-Sep-09		
	Wed, Sep 23	Review	Exam 1, 7-8:30 p.m. (Sec 6.10, 6.11 and Ch. 5)				
	Fri, Sep 25	7.2-7.3	13	7.2: 33,35,38a 7.3: 1,4,10,12,14,17	28-Sep-09		
6	Mon, Sep 28	7.3	14	18,21,25,29,35,37,41,45	30-Sep-09		
	Wed, Sep 30	7.4	15	2,3,6,10,14,22,29,32,38,41	2-Oct-09		
	Fri, Oct 2	7.6	16	1,4,6,9,12,13,17,21,24,28,31	5-Oct-09		
7	Mon, Oct 5	7.6	17	36,42,45,48,49,53,55,57,67,70,77	7-Oct-09		
	Wed, Oct 7	8.1	18	1,2,4,7,10,13,18,27a,31,32,37,38,42	9-Oct-09		
	Fri, Oct 9	8.2	19	3,4,8,9,12,17,22,26,28,34,37,42,53,60,71	12-Oct-09		
8	Mon, Oct 12	8.3	20	1,4,8,12,14,15,18,25,30,33,38,59,62,63,68	14-Oct-09		
	Wed, Oct 14	8.4	21	2,4,9,10,14,18,20,23,27,39,42	16-Oct-09		
	Fri, Oct 16	8.5	22	1,4,6,8,12,15,21,25,27,35,38,40	19-Oct-09		
9	Mon, Oct 19	8.6	23	2,3,7,8,12,15,20,22	23-Oct-09		
	Wed, Oct 21	Review	Exam 2, 7-8:30 p.m. (Ch 7 and Sec 8.1-8.4)				
	Fri, Oct 23	8.6-8.7	24	8.6: 25,27,40,43 8.7: 1,3,4,11,14,15	26-Oct-09		
10	Mon, Oct 26	8.7	25	16,20,25,27,34,45,46,55,58	28-Oct-09		
	Wed, Oct 28	8.8	26	1,2,4,5,8,11,14,16,18,20	30-Oct-09		
	Fri, Oct 30	8.8	27	23,24,26,33,42a,42b,46	2-Nov-09		
11	Mon, Nov 2	8.9	28	2,3,6,10,11,16,20	4-Nov-09		
	Wed, Nov 4	8.9-8.10	29	8.9: 22,23,28 8.10: 1,6,8,10,13,15,	6-Nov-09		
	Fri, Nov 6	8.10	30	17,19,20,23,28,29a,31,42	9-Nov-09		
12	Mon, Nov 9	8.11	31	1,2,6,9,11,15,19,22	11-Nov-09		
	Wed, Nov 11	8.11	32	29,33,38,41,44,48,49,51,69	13-Nov-09		
	Fri, Nov 13	9.1	33	5,6,20,26,30,31,36,42,57	16-Nov-09		
13	Mon, Nov 16	9.1-9.2	34	9.1: 60,70,78 9.2: 2,3,10,19,24,25,31	20-Nov-09		
	Wed, Nov 18	Review	Exam 3, 7-8:30 p.m. (Ch. 8)				
	Fri, Nov 20	9.4	35	2,9,11,15,20,23,25a,25c,31,37	30-Nov-09		
14	Nov 23-27	Fall Break	No Classes			---	
15	Mon, Nov 30	9.5	36	2,5,9,13,16,17,19,23,31a,35	2-Dec-09		
	Wed, Dec 2	9.6	37	1,4,6a,6b,6c,8,11,12,17,20,21,24,25,30,34,50,53,56	4-Dec-09		
	Fri, Dec 4	9.7	38	4,13,18,21a,22a,23a,24a,26,32,34,35,48a,48c	7-Dec-09		
16	Mon, Dec 7	9.9	39	3,4,8,9,13,15,20,21,29,30	9-Dec-09		
	Wed, Dec 9	Review	Review			---	
	Fri, Dec 11	Review	Review			---	
Final	Sat, Dec 12	Comprehensive Final Exam - Saturday, Dec. 12, 10:30 a.m.-1 p.m.					
Check http://amath.colorado.edu/courses/1360/ for exam locations.							