

Department of Mathematics
University of Utah
Syllabus and Tentative Daily Schedule
MATHEMATICS 2210 - CALCULUS III Winter/Spring 2008

- **Time and Place:** MWF 10:45-11:35am, AEB 350
- **Instructor:** Klaus Schmitt
- **Office hours:** MWF 9:30-10:30am (or by appointment), JWB 110
- **Text:** Varberg/Purcell/Rigdon: *Calculus*, 9th Edition, Prentice Hall, 2007.

1 Course Description

We assume that students are familiar with Calculus I and Calculus II as presented in chapters 1-10 of the text. The present course is based on chapters 11-14 and will closely follow the material presented there. In addition, there may be occasional notes handed out by the instructor.

One learns mathematics by doing mathematics. One learns to explain mathematics by writing and talking about mathematics. Integral parts of the course will therefore be the following:

- There will be daily homework assignments. These assignments are to be completed in a timely manner and will be of two kinds: First, there will be WebWork exercises (to be completed by Tuesday evening at 11:00pm—assignments of the previous W, F, and M) and second there will be written homework which is to be completed in a carefully written and detailed way (due every Wednesday during the class period – assignments of the previous W, F, and M). These assignments will be graded and returned in a timely manner.
- Students are encouraged to contribute to class discussions and frequently offer questions, their opinions and insights to the class as a whole.

2 Examinations

There will be two one hour examinations (see schedule below) and one final examination on the day and time scheduled by the University for this class period. The examinations will be offered only on the dates mentioned. Each of the three examinations will be assigned a letter grade (A, A-, etc.). Calculators and other computing devices are not allowed to be used during the examinations.

3 Grading Policy

Final grades will be determined as the weighted average of the grades received on the two mid-term examinations (25% each), the final examination (25%), and the grade received on homework assignments (WebWork and written assignments) (25%).

4 University policy

As a courtesy to others, cellular telephones, laptops, and similar devices, should not be used for any purpose during class meetings and examinations. So, please turn them off before coming to class.

5 Computing Laboratory

The Department has an excellent computing laboratory available for student use. This laboratory is located in the T. B. Rushing Undergraduate Student Center, the structure connecting LCB to JWB (see <http://www.math.utah.edu/ugrad/lab/index.html>).

6 Help

Students are encouraged to visit with the instructor during scheduled office hours. Another avenue of help is to visit the Department's tutoring center (tutoring is free of charge!) which is also located in the T. B. Rushing Undergraduate Student Center (see <http://www.math.utah.edu/ugrad/tutoring.html>).

7 Daily Schedule and Examination Dates

Date	Section	Topic
01/07	Chapter 11	Vectors
01/09		
01/11		
01/14		
01/16		
01/18		
01/21		Martin Luther King day
01/23	Chapter 11 cont'd	
01/25		
01/28		
01/30		
02/01		
02/04		Discussion and review
02/06	Chapter 12	Functions of several variables
02/08		
02/11		
02/13		
02/15		Examination #1
02/18		Presidents' day
02/20	Chapter 12 cont'd	
02/22		
02/25		
02/27		
02/29		
03/03		
03/05		Discussion and review
03/07	Chapter 13	Multiple integrals
03/10		
03/12		
03/14		
03/17-03/21		Spring break
03/24	Chapter 13 cont'd	
03/26		
03/28		
03/31		
04/02		Discussion and review

Date	Section	Topic
04/04		Examination #2
04/07	Chapter 14	Vector calculus
04/09		
04/11		
04/14		
04/16		
04/18		
04/21		
04/23		
04/25		Final Examination 10:30am-12:30pm