

Math 1210-9: Calculus I

Syllabus
Fall Term 2013

General Information

Class meets: Monday/Wednesday 18:00 – 20:00, WEB L 120.

Instructor: Veronika Ertl, ertl@math.utah.edu.

Office Hours: Friday 19:00-20:00 and by appointment.

Class Web Page: <http://www.math.utah.edu/~ertl/Teaching/math1210/math1210.htm>.

Course Content and Structure

Textbook: *Calculus*, 9th edition by Varberg, Purcell and Rigdon,
ISBN-10: 0132306336 | ISBN-13: 978-0132306331.

Prerequisites: “C” or better in math 1050 and math 1060 or math 1080.

Course Description: Mathematics 1210 is an introduction to differential and integral calculus. Limits, derivatives and integrals will be developed as tools to analyse the properties of functions. Applications include motion and rates of change, optimisation and approximation methods, differential equations and the calculation of areas, volumes and lengths. Calculus underlies the mathematical modelling in all of science and engineering.

Homework: The homework will be assigned and should be turned in weekly. The homework will be graded based on completion and accuracy. Handed in homework will consist of two parts A and B: problems in part A will be graded, problems in part B will be checked for completion. The homework should be clean and accurately written, with all the problems assembled in correct order in part A and B. The homework set should be stapled together. You will need to show all your work on homework problems and present solutions in an organised, accurate fashion. If no work is shown, no credit will be given. No late homework will be accepted. The two lowest homework scores will not be included in computation of the grade.

Exams: There will be three midterm exams and one final exam.

Calculators: Graphing calculators and computer software is allowed for homework. Only scientific calculators may be used on exams, but they are not required.

Tutoring: Tutoring Lab: T.Benny Rushing Mathematics Student Centre (adjacent to JWB and LCB), Room 155: Monday–Thursday 8:00–20:00, Friday 8:00–20:00, closed on weekends and holidays.
Private Tutoring: University Tutoring Services, 330 SSB, <http://www.sa.utah.edu/tutoring/>.
There is also a list of tutors at the Math Department office in JWB 233.

Exams

Location: All exams are in the usual class room, WEB L 120.

- Dates:**
- First Midterm: Monday, 23rd September 2013, 18:00 – 19:00.
 - Second Midterm: Monday, 28th October 2013, 18:00 – 19:00.
 - Third Midterm: Monday, 18th November 2013, 18:00 – 19:00.
 - Final Test: Monday, 16th December 2013, 18:00 – 20:00

Exam Policy: Problems on the exams will be similar to the homework problems. The lowest midterm score will be dropped. Because one is dropped, there will be no make-up exams. If there is a legitimate reason for you missing more than one exam, I will add the weight of what you missed to the weight of your final. Thus effectively you will get the same score on the missed midterm as you will on the final (the final is comprehensive).

Grading

Grading Policy: The grade will be calculated as an average of the homework score, midterms and the final.

Grading Scale: The usual scale applies.

A	93-100 %
A-	90-92 %
B+	87-89 %
B	83-86 %
B-	80-82 %
C+	77-79 %
C	73-76 %
C-	70-72 %
D+	67-69 %
D	63-66 %
D-	60-62 %
E	0-59 %

ADA Statement

The American with Disabilities Act requires that reasonable accommodations be provided for students with physical, sensory, cognitive, systematic, and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations for the course.