

Syllabus for Mathematics 251 Spring 2009

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Dr. Kruczek's OFFICE HOURS & SCHEDULE

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9 – 10		Office Hour		USUALLY	
10 – 11	Office Hour	Math 251	Office Hour		NOT ON CAMPUS
11 – 12	Math 251		Math 251	Math 251	
12 – 1					
1 – 2	Office Hour		Office Hour		Office Hour
2 – 3:30	Math 398		Math 398		
3:30 – 4		Meetings			

PREREQUISITES: MTH 112 with grade C- or better or consent of instructor.

TEXT: Calculus Concepts and Contexts (3rd Edition) James Stewart

CALCULATOR: A TI-83 or TI-84 is highly recommended. Please see me if you are buying a new calculator. Cell phones MAY NOT be used for calculators during exams.

Maple / Student Version: Maple 10 is used in this course. It is available on the campus network. Information is available on special pricing for a student version of Maple 10 if you wish to purchase your own copy.

COURSE CONTENT: At the end of the course, the successful student will know

- an intuitive description of limits;
- techniques for calculating limits numerically, graphically, and algebraically;
- the definition of the derivative of a function;
- techniques for finding derivatives numerically, graphically, by using limits, with shortcuts (also known as "rules") and with technology;
- some applications of derivatives;
- how to communicate calculus effectively using proper math notation and prose.

READING THE TEXT: It is a good idea to briefly read each assigned section before class and then to carefully read the section before you start your homework. You may find it very helpful to write out or read the examples in the text. You may ask questions about the text both in class and during office hours.

ATTENDANCE: If you miss class, it is your responsibility to ask a classmate for notes on the material that you have missed. I will not have discussion notes available if you have missed class, nor will I repeat my discussion during office hours.

EXAMS: There will be two mid-term exams in this course and one final (which is cumulative). All exams will be timed exams. Makeup or early exams will only be given in the case of a documented emergency or university sanctioned absence from class. Prior notification and my agreement are required.

SKILLS QUIZZES: You will be given 8 skill quizzes throughout the quarter. These will be 2-3 questions per quiz. **In order to get above a C- in this class, you must get 100% on 6 of these 8 quizzes. You may retake quizzes until you get 100%.** The questions on these quizzes are on the easy-medium difficulty level.

TEXT PROBLEMS HOMEWORK

- Homework problems from our textbook will be assigned daily. These homework assignments will be collected on the day of a quiz. An unspecified number of problems will be selected each week to be graded in depth.
- For each problem graded in the HW, you will be given a 1 (completely right), ½ (minor error), or a 0 (major error). There will also be a given a completeness score for the HW, which will be based on how complete the HW looks.

MAPLE ASSIGNMENTS: During weeks of Maple lab assignments, you will be solving a series of problems using Maple 10 and writing a detailed report about it. You may work in teams to solve these problems, but you must turn in separate reports.

PROBLEMS OF THE WEEK: Periodically, you will be assigned a special problem that will help focus on problem solving using calculus. More detailed information later.

COURSE GRADING

2 Midterm Exams	18% each
Maple Labs	10%
Text Problems Homework and Quizzes	20%
Problems of the Week	10%
Final Exam	24%

APPROPRIATE CLASSROOM BEHAVIOR: You are ultimately responsible for your own attendance and performance. Proscribed Conduct for all students is described in the University Catalog. In particular for this course, any student found cheating on an exam or copying from another student's exam paper will receive a zero on that exam.

LATE WORK POLICY: Your work is due by 2:00 p.m. on the due date. You will lose 20% per class day for late assignments.

LEARNING DISABILITIES: If you have a documented learning disability, please talk to me during the first few days of class. If you have a documented disability which requires any academic accommodations, you must go to the Office of Disability Services (ODS) {APSC 405 or (503) 838-8250 (V,TTY)} to coordinate accommodations.

INCOMPLETE POLICY: If you are passing this course and have a documented reason for not being able to complete the course, I may be able to grant you an incomplete.

GRADING SCALE: ASSUMING YOU PASS 6 OF 8 SKILLS QUIZZES

%	Grade	%	Grade	%	Grade	%	Grade	%	Grade
93 – 100	A	90 – 92	A-	87 – 89	B+	83 – 86	B	80 – 82	B-
77 – 79	C+	73 – 76	C	70 – 72	C-	60 – 69	D	Below 60	F