

MATH 1296 CALCULUS I

Syllabus – Fall 2009

Instructor: Kate Niedzielski

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Office Hours: Monday – Thursday: 10-11

Tuesday, Thursday: 1-2

or by appointment

Graduate Teaching Assistants: Megan Hansen SCC 174 Office hours: Monday, Tuesday: 10-11; Wednesday 11-12

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Meeting Times: Lecture Sec 15: MWF 8:00-8:50am in SCC 120

Discussions: TTh	Sec 16	8am	EduE 20
	Sec 17	9am	DAdB 16A
	Sec 18	11am	HH 216
	Sec 19	12pm	MWAH 191
	Sec 20	1pm	HH 216
	Sec 21	4pm	HH 216

Prerequisites: Math ACT 25 or higher or a grade of at least C- in MATH 1250 or department consent; Credit will not be granted if credit has been received for MATH 1290 or MATH 1596

Text: *Calculus Early Transcendentals Enhanced WebAssign Edition*, Stewart. Cengage Learning, 2008. This is a customized version of the book, because it will be cheaper for the student. You should go to the UMD bookstore to purchase it. In my class, we will **NOT** be using the WebAssign, just the textbook. However, you can use it in the future, and it IS cheaper to buy it this way. You can also buy this text online. The ISBN of a suitable version is 978-0495011668. This text is also available as an ebook on Amazon with ISBN 978-0495564164.

Course Description: This course covers the first part of a standard introduction to calculus of functions of a single variable. It includes limits, continuity, derivatives, integrals, and their applications. The material covered is Chapters 1-7.1 with some sections omitted. Some supplemental material may occasionally be presented in lecture.

Calculators: A calculator may be useful at times. However, any calculator that is capable of symbolic manipulation will not be allowed. This includes the TI-89. See the instructor if you are unsure if your calculator is acceptable. You must show your work (thought process) for all problems, thus answers arrived at by calculator alone will be granted very few, if any, points. **The instructor may limit or disallow the use of a calculator (or just a graphing calculator) on some or all quizzes and exams.** Sharing a calculator during a quiz or an exam will be considered cheating and result in an immediate zero.

Communicating Devices: Cell phones and other communication devices, including iPods, are **prohibited** during class. Please inform me of any circumstance that may need special consideration. Having any communicating device out during a quiz or exam will be considered cheating and result in an immediate zero.

Homework: Homework problems and due dates will be posted on my website. It will typically be turned in to your TA at the **end** of discussion on Thursdays unless otherwise notified. This is the only way to turn in homework. Homework turned in late or to either the instructor's or the TA's mailboxes will **not** receive credit. Homework must conform to the "HOMEWORK GUIDELINES". Your solutions must show your thought process, not just the answer. Answers without supporting work will not receive full (if any) credit. Cooperation on assignments is encouraged, but copied assignments will not be tolerated and will receive a score of zero. You may not use any source that has the solutions to the assigned even-numbered exercises. **Late homework will not be accepted.**

Participation: Throughout the semester, there will be in-class activities during lecture. I expect full participation from all students. There is no way to make up lost participation points for any reason. The lowest 3 participation scores will be dropped at the end of the semester. I will routinely ask questions in class that you will need to use your Student Response Card (clicker) to answer. Typically questions will be worth four points. You earn four points for a correct response and three points for an incorrect response.

Quizzes: Quizzes will be given during the second half of discussion on most Tuesdays. The quizzes will typically cover the same material as the homework that was turned in the previous Thursday. The lowest quiz score will be dropped.

Exams and Final: There will be three exams and one final exam given during the semester. I will announce the dates of the exams at least a week ahead of time in class and post them on my website. The final exam is scheduled for Friday, December 18 from 12:00 – 1:55 pm in SCC 120.

Missed Exams or Quizzes: Missed quizzes or exams will be assigned a zero score **unless you provide a valid written, signed (by a doctor, for example) excuse for your absence**; unless it is not possible to do so, you must provide verbal notice ahead of time to your instructor for the absence. Arrangements for a makeup should be made as soon as you know you will miss. Do not wait for the next class. You can leave the instructor a message 24 hours a day by phone or by email. **Oversleeping, poor preparation, slight colds, and cold weather are not valid excuses.** Remember that one quiz score will be dropped, so you have a bit of a cushion. You may arrange makeup quizzes with your TA, but makeup exams must be made with the instructor only.

Grading: Homework 10%
Quizzes 15%
Participation 10%
Exams (3) 45%
Comprehensive Final 20%

Grading Scale:	93-100% A	83-86% B	73-76% C	60-66% D
	90-92% A-	80-82% B-	70-72% C-	Below 60% F
	87-89% B+	77-79% C+	67-69% D+	

If you have questions about any of the grading, please arrange to talk with the instructor about it within a week of its return. I will use eGradebook to keep track of your scores. There is a link on my website. Please let me know as soon as possible if you find an error. **Keep all homework, quizzes, and exams as proof of your scores.**

Student Academic Integrity Policy: Academic dishonesty tarnishes UMD's reputation and discredits the accomplishments of students. UMD is committed to providing students every possible opportunity to grow in mind and spirit. This pledge can only be redeemed in an environment of trust, honesty, and fairness. As a result, academic dishonesty is regarded as a serious offense by all members of the academic community. In keeping with this ideal, this course will adhere to UMD's Student Academic Integrity Policy, which can be found at http://www.d.umn.edu/assl/conduct/integrity/Academic_Integrity_Policy.htm. This policy sanctions students engaging in academic dishonesty with penalties up to and including expulsion from the university for repeat offenders.

Student Conduct Code: The instructor will enforce and students are expected to follow the University's Student Conduct Code (<http://www.d.umn.edu/assl/conduct/code>). Appropriate classroom conduct promotes an environment of academic achievement and integrity. Disruptive classroom behavior that substantially or repeatedly interrupts either the instructor's ability to teach, or student learning, is prohibited. Disruptive behavior includes inappropriate use of technology in the classroom. Examples include ringing cell phones, text-messaging, watching videos, playing computer games, emailing, or surfing the Internet on your computer instead of note-taking or other instructor-sanctioned activities.

Liberal Education Statement: This course satisfies Category Two – Math, Logic and Critical Thinking. By the end of the term, the successful student will understand the important role that calculus plays in modeling real-world phenomena and how to apply calculus to problems in his/her discipline. Business, economics, biology, geology, chemistry, physics, engineering, and numerous other disciplines make heavy use of calculus. Whenever numerical quantities change with respect to time or with respect to other variables, calculus is probably involved. The incredible success of the physical sciences and engineering in today's world is largely due to "the unreasonable effectiveness of mathematics," and calculus plays a major role in that effectiveness! The biological social and managerial scientists today also make tremendous use of calculus to solve their problems.

Special Needs: Individuals who have a disability, either permanent or temporary, which might affect their performance in this course, are encouraged to inform me at the beginning of the semester. Adaptation of methods, materials or testing may be arranged in order to meet your needs.

Mental Health Statement: As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. University of Minnesota services are available to assist you with addressing these and other concerns you may be experiencing. You can learn more about the broad range of confidential mental health services available on campus via the UMD Health Service Counseling website at <http://www.d.umn.edu/hlthserv/counseling/>

Tutoring Center: In addition to office hours, help is usually available M-F at the Tutoring Center in SCC 40. The website is <http://www.d.umn.edu/tutoring>.