

## Math 1296, Calculus I, Lecture Section 8 (Discussion Sections 9-14), 5 credits, Spring 2008

**Instructor:** Ahnie Jacobson

**Office:** Solon Campus Center 74

**Web Page:** <http://www.d.umn.edu/~ajacobs1>

**E-mail:** ajacobs1@d.umn.edu

**Phone:** 726-7653 (Note: Please e-mail if possible)

**Office Hours:** MWF 9:00-9:50 and 11:15-11:50

**Meeting Times:** MWF 12:00 – 12:50 in SCC 120

Section 9: TTh 8:00-8:50 in BohH 346

Section 10: TTh 9:00-9:50 in Engr 118

Section 11: TTh 10:00-10:50 in MWAH 191

Section 12: TTh 12:00-12:50 in H 458

Section 13: T 2:00-2:50 in ABAH 25 and Th 2:00-2:50 in BohH 112

Section 14: TTh 4:00-4:50 in H 464

**Graduate Teaching Assistants:** Ronghua Zhu/ Seth Slettedahl

**Office:** Solon Campus Center 152 / Solon Campus Center 152

**E-mail:** zhuxx213@d.umn.edu / slet0055@d.umn.edu

**Office Hours:** TBD / TBD

**Prerequisites:** SP-3.5 years high school algebra or trigonometry or college pre-calculus course, **a grade of at least C- in Math 1250**; credit will not be granted if credit received for 1290; QP-1250, 1296

**Liberal Education Category:** 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.

**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 is mostly covered in Chapters 1-5, 7.2 and 7.7 of the text. Some supplemental material, not included in the text, may also be covered.

**Required Text:** *Calculus*, 3<sup>rd</sup> Edition; Smith and Minton (Late Transcendentals), ISBN: 978-0-07-340606-0

**Calculators:** A calculator is not required for this class but may be useful for some calculations. 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 the use of a calculator (or just a graphing calculator) on some or all quizzes and exams. **\*\*A graphing calculator will not be allowed on most exams and quizzes.\*\*** Sharing a calculator during a quiz or an exam will be considered cheating and result in an immediate zero.

**Communicating Devices:** Cellular telephones and other communication devices, including iPods, are prohibited during the lecture and discussion sections. A computer may be used only for taking notes. Having any other communicating device out or on during class may result in a deduction of quiz points. 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.

**Quizzes:** Quizzes will be given during the Discussion Sections on most Thursdays. The quizzes will typically cover the material that was presented in lecture through the previous Monday. An advance or a makeup quiz may be allowed at the discretion of the GTA. The lowest quiz score will be dropped.

**Exams and Final:** There will be three exams and one final given during the semester. I will announce the dates at least a week ahead of time in class and post them on my website on the schedule. Makeup exams are only allowed for a documented illness or University excused absence if prior arrangements have been made with the instructor. Unless it is not possible, you must provide 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. The date, place, and time for the comprehensive final will be determined. A common exam, which will take place during finals week, has been requested.

**Grading:** Quizzes 15% Exams (3) 60% Comprehensive Final 25%

If you have questions about any of the grading, please arrange to talk with me 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. (A zero may mean that the score hasn't been recorded yet. So, wait a day and check again.) **Keep all quizzes and exams as proof of your scores.**

<b>Grading Scale:</b> 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+	

**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>. This policy sanctions students engaging in academic dishonesty with penalties up to and including expulsion from the university for repeat offenders.

**Student Academic Integrity Policy:** 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.

**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.

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