Math 1351-010 — *Calculus I* — Spring 2010

January 22, 2010

Dr. Victoria Howle

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* Preferred contact method. Please put "Math 1351" in the Subject line of your email.

Classroom Lecture

MWF 12:00, Math 015

Discussion Sections

720: R 8:00, Math 013
721: R 5:00, Math 012

Text:

- **CALCULUS, 5th Edition by Strauss/Bradley/Smith**

You are responsible for all material in Chapters 1 through 5 of the text, regardless of whether it is explicitly covered in lecture.

Course web page (see link from my home page) will have syllabus, recommended homework assignments, important announcements, etc.

Learning Objectives:

Students become proficient in techniques of differentiation. Students understand the concept of rate of change and how to use it to solve real world problems. Students understand the concept of definite and indefinite integral and their relations to area and rate of change. In particular the students will:

1. Understand the concept of continuous functions
2. Understand the concept of instantaneous rate of change
3. Be able to compute derivatives of polynomial and transcendental functions
4. Be able to use differentiation to solve related rate and optimization problems
5. Understand the concept of definite and indefinite integrals

Methods of Assessment of Learning Outcomes:

Assessment will be achieved through one or more activities, non-graded and graded, such as: class attendance, discussion section attendance, class discussion, board work, short quizzes, selected homework, examinations and other optional activities deemed appropriate by the instructor. Class grades will be assigned as follows:

Grading Criteria

Quizzes	weekly quizzes *given in Section*	
		35%
Examinations	3 in-class examinations	
	No make-up exams without prior approval or documented excuse.	
		35 %
Final Exam	Comprehensive, Monday, May 10, 2010, 10:30 - 1:00	30 %

Grading Scale (Base 800 pts):

A = 100%–90%, B = 89%–80%, C = 79%–70%, D = 69%–60%, F = 59%–0%

Attendance in Discussion Sections:

Attendance in the Discussion Sections is **required**. Most discussion sections will include a graded quiz.

In addition to the quizzes, the teaching assistant will present additional example problems, go over homework solutions, answer questions about the material, and/or lead group work sessions.

Review Sessions for Exams:

There will be a review session before each exam. Dates/times TBA.

Notices:

Academic Integrity (extracted from OP 34.12)

It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and high standard of integrity. The attempt of students to present as their own any work not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offenders liable to serious consequences, possibly suspension.

Scholastic dishonesty includes, but it not limited to, cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor) or the attempt to commit such an act.

Civility in the Classroom

Please be considerate to others.

- Be respectful to me, to the TA, and to your fellow students.
- Turn off cellphones, pagers, ipods, etc. (anything that makes noise).
- Don't hold side conversations during class.
- If you must come in late or leave early, do so as quietly as possible. Note that if you arrive late or leave early you may miss critical information or graded quizzes.

Observance of Religious Holiday (Extracted from OP 34.19)

A student who intends to observe a religious holy day should make that intention known to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence.

Accommodation for Students with Disabilities (Extracted from OP 34.22)

Any student who, because of a disability, may require some special arrangements in order to meet course requirements should contact the instructor (in MA 217) as soon as possible to make the necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructors office hours. Please note instructors are not allowed to provide classroom accommodations to a student until the appropriate verification from Student Disability Services has been provided. For additional information, you may contact the Student Disability Services office at 335 West Hall or 806-742-2405.