Professor: Victoria Howle, Ph.D.

Office:	MA 224
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Phone:	742-2580 ext.264
Office Hours:	Tuesdays 11:00 a.m. - 12:15 p.m.
	Fridays 10:00 - 11:30 a.m.
	(or by appointment)

Classroom Lectures (Howle):	**Discussion Sections:**	**TA:**
TR 12:30 - 1:50, AGRI 214	775: W 8:00 a.m., MATH 115	TBA
	776: W 8:00 a.m., MCOM 282	TBA
	777: W 3:00 p.m., MATH 115	TBA
	778: W 3:00 p.m., MCOM 121	TBA
	779: W 4:00 p.m., room TBA	TBA
	780: W 4:00 p.m., room TBA	TBA
	781: W 5:00 p.m., room TBA	TBA
	782: W 5:00 p.m., room TBA	TBA

- **Email** is usually the best way to reach me outside class and office hours. You MUST put "Math 1351" in the subject line. I will make every effort to respond to email quickly. You should receive a reply within 24 hours.
- Please get TA contact information and office hours directly from your TA.

Course web page:
www.math.ttu.edu/∼vhowle/Courses/2011Fall_Math1351/Math1351.html
The course web page contains this syllabus in its most current form, homework assignments, important announcements, quiz solutions, etc.. *Check the course web page frequently.*

Text (required):
CALCULUS, 5th Edition by Strauss/Bradley/Smith,
Student Mathematics Handbook and Integral Table,
Student Survival Guide and Solutions Manual

Calculators:
Calculators are not allowed on quizzes, in-class exams, or the final exam. They may be helpful on some of the recommended homework.

Prerequisites:
C or better in Math 1350 or 1550, or 7 on MPE, or C or better in 1321 with 5 on MPE, or 660 on SATM, or 29 on ACTM.

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, group work, quizzes, webwork, selected homework, examinations and other optional activities deemed appropriate by the instructor.

Class grades will be assigned as follows:

Quizzes	Weekly, in discussion sections.	30%
In-class Examinations	4 in-class examinations: Exam 1 (precalc review) is 5%, Exam 2 through 4 are worth 35% total (15% for your best exam and 10% each for the remaining two). Exam dates: Exam 1: 9/13/2011, in class Exam 2: 10/6/2011, in class Exam 3: 11/3/2011, in class Exam 4: 11/22/2011, in class	40%
Final Exam*	Comprehensive common final exam Tuesday, December 13, 2011, 10:30 – 1:00	30%

***You must pass the final exam (60% or better) in order to pass the course.**

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

There are no extra-credit assignments in this course. To improve your grade, your time is better spent studying and working problems for the remaining quizzes and exams.

No make-up quizzes or exams without prior approval or legitimate documented excuse. Note that "I already bought plane tickets" is not considered an acceptable excuse for missing an exam or assignment.

Attendance:
Attendance in lectures and discussion sections is required. There may be graded quizzes in discussion sections or lectures (possibly unannounced).

Course Outline:
Math 1351 covers chapters 1 through 5 of the Strauss/Bradley/Smith textbook. With a few exceptions that will be noted in class, we cover all of the material in these chapters.

Note that this is a very fast-paced course; there is little time in lecture to work examples. Most examples will be worked by your TA in the discussions sections. To follow the lectures and learn the material, **you must read the relevant sections in the textbook and work many more problems that just those assigned or recommended.**

- Chapter 1: pre-calc review; approx. 2 lectures
- Chapter 2: limits and continuity; approx. 3 lectures
- Chapter 3: differentiation; approx. 8 lectures
- Chapter 4: applications of derivative; approx. 6 lectures
- Chapter 5: integration; approx. 6 lectures

Learning Objectives:
The goal is to develop the student's geometric insight into the concepts of differentiation and integration, and to give practice in applying these concepts to problem solving and "real world" applications. Upon completion of this course, students should be able to:

Identify and describe continuous functions

Explain the concept of instantaneous rate of change

Compute derivatives of polynomial, algebraic, and transcendental functions

Apply differentiation techniques to solve optimization problems

Distinguish between definite and indefinite integrals

Evaluate integrals of polynomial, algebraic, and transcendental functions

Apply integration techniques to solve area problems

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 of others. Be respectful to me, to the TA, and to your fellow students. Turn off (or at least mute) cellphones, and other electronics (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 224) as soon as possible to make the necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's 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.