Professor: Victoria Howle, Ph.D.

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Office Hours: TBA

Classroom Lectures (Howle):	**Discussion Sections:**	**TA*:**
MWF 12:00 - 12:50, CHEM 049	715: T 8:00 a.m., MATH 012	Simon Rush
	716: T 8:00 a.m., MATH 014	Priyantha De Silva
	717: T 9:30 a.m., MATH 013	Simon Rush
	718: T 9:30 a.m., HOLDEN 255	Ashley Ray
	720: T 2:00 p.m., ENGPHL 109	Simon Rush
	721: T 2:00 p.m. ENGPHL 151	Priyantha De Silva
	722: T 5:00 p.m. MATH 011	Simon Rush
	723: T 5:00 p.m. MATH 013	Ashley Ray

*Please get contact information and office hours from your TA.

Course web page:
www.math.ttu.edu/∼vhowle/Courses/2011Spring_Math1351/Math1351Spring2011.html
The course web page contains this syllabus in its most current form, homework assignments, important announcements, solution sets, 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

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 and there is little time in lecture to work examples. More examples will be worked by your TA in the discussions sections. *But 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 for a grade.*

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

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:

WebWork	Online Homework	10%
Written Homework & Quizzes	Weekly in-class/discussion quizzes and written hw	30%
Examinations	3 in-class examinations: Tentative exam dates: Exam 1 — 2/11/2011, Exam 2 — 3/11/2011 , Exam 3 — 4/15/2011	30%
Final Exam*	Comprehensive common final exam Friday, May 6, 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%.

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

Attendance: Attendance in lectures and discussion sections is required. Most discussion sections and some lectures will include a graded quiz (possibly unannounced).

Calculators: Calculators are not allowed on quizzes, in-class exams, or the final exam.

WebWork Policy: WebWork is submitted online and will have a specific due date and time. Once the deadline has passed, the WebWork system will not accept your assignment. No late WebWork will be accepted. I will drop WebWork assignments missed with prior approval or a documented excuse.

Written Homework Policy: Homework is due in class on the day specified. Each submitted assignment should meet the following criteria:

- Your work should be written on standard letter-size ($8\frac{1}{2} \times 11$) loose-leaf printer, lined, or graph paper. (No torn out spiral notebook pages).

- Each assignment will have a cover page with the questions and a section for you to fill out. This cover page must be attached as the first page of your assignment.

- You must write your discussion section number on all assignments.

- Your assignment must be stapled in the upper left-hand corner.

- Include all relevant work in your solutions. You will not receive credit simply for having the right answer.

- Your work should be easy to follow and written neatly on one side of the page. Don't cram too many problems onto the same page.

Assignments that do not meet the above criteria will be penalized 5% for each infraction. For example, if you turn in homework that is not stapled and is missing the cover sheet, the best score you can get on that assignment is a 90%.

Written homework is due in class. Any homework turned in after class has ended is considered late. Late homework will be penalized 5% if turned in before 4:00 p.m. on the due date and 10% if turned in by 4:00 p.m. of the following day. I will not accept any homework more than 1 day late without prior approval or a documented excuse.

Regrade requests: graded assignments (homework, quizzes, and exams) are graded by several different graders. If you wish to dispute a specific grade, you must use the following procedure:

1. Rework the problem completely and clearly (and remain convinced that your answer was correct).

2. Explain clearly, in writing, why you think the problem was misgraded.

3. Turn in the original graded assignment, your reworked problem, and your explanation of the regrade request to Professor Howle to consider for regrading.

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 assignments and exams.

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 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 217) 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.