Math 1352 Section 11 — *Calculus II* — Fall 2008

August 26, 2008

Instructor: Dr. Victoria Howle

Office:	MA 217
Email:	victoria.howle@ttu.edu
	Email is the best way to reach me.
	Please put "Math 1352" in the subject line.
Phone:	806-742-2580 ext. 264
Office Hours:	Tuesdays and Thursdays, 10:00 – 10:50,
	Wednesdays, 11:00 – 12:00,
	or by appointment.

Course Information:

Lectures:	Tuesdays and Thursdays, 11:00 a.m. to 12:20 p.m., MA 011.
Prerequisite:	Math 1351
Text:	CALCULUS, 5th Edition by Strauss/Bradley/Smith
Web Page:	www.math.ttu.edu/~vhowle/Courses/2008Fall/Math1352Fall2008.html
	Important course information will be available on the course web page.
	Please check it regularly.

Material Covered:

Chapter 6: Additional Applications of the Integral
Chapter 7: Methods of Integration
Chapter 8: Infinite Series
Chapter 9: Vectors in the Plane and in Space

Grading:

- **In-class exams:** There will be three in-class exams worth a total of 40%
  of your grade. Exam dates will be announced in class and on the course
  web page and will come approximately at the end of chapters 6, 7, & 8.

- **Quizzes:** There will be weekly in-class quizzes on Thursdays at the beginning of class. Quizzes are worth 15% of your grade. You must be present in order to take the quizzes.
- **Homework:** Homework will consist of WebWork and written homework. WebWork is 10% of your grade, and written homework is 15% of your grade. You are expected to work all assigned problems *and as many additional problems as you need to master the material.*
- **Final Exam:** The final exam is worth 20% of your final grade and is on **Tuesday, Dec. 9th 10:30 − 1:00**.
- **Grading policy:**
  85–100 = A
  70–84 = B
  55–69 = C
  40–54 = D
  Below 40 is an F

Late and Make-up Policy:

- There are no make-up exams except for sickness and participation in a university-sponsored event. In such circumstances, evidence of your sickness or participation in a university-sponsored event must be presented to the instructor.
- There are no make-up quizzes. If you miss a quiz due to legitimate sickness or participation in a university-sponsored event, I will drop that quiz from your grade.
- Late WebWork will not be accepted. Late written homework will not be accepted once solutions have been posted.

Important Dates:

- Monday, August 25: Student-initiated drop-add begins on the web
- Thursday, August 28: Last day for student-initiated add on the web
- Wednesday, September 10: Last day for student-initiated drop on the web. Last day to drop a course and receive a full refund. Does not apply to students who drop to 0 hours.
- Monday, September 22: Last day to withdraw from the University and receive a partial refund. Last day to drop a course an receive an automatic "W".
- Monday, October 27: Last day to drop a course
- Tuesday, November 25: Last day to withdraw from the university. Last day for undergraduate degree candidates to remove grades of "I" and "P" and to complete final examinations in correspondence courses.
- November 26 – 30: Thanksgiving holiday
- Wednesday, December 3: Last day of classes

- Thursday, December 4: Individual study day
- Tuesday, December 9, 10:30 a.m. – 1:00 p.m.: **comprehensive final exam**
- *See course web page for in-class exam dates, homework due dates, and other important dates*

Student Learning Outcomes:

Math 1352 satisfies the university core curriculum requirement in Mathematics: "Students graduating from Texas Tech University should be able to demonstrate the ability to apply quantitative and logical skills to solve problems." It meets the TTU general education student learning outcomes for mathematics that students will:

- Apply arithmetic, algebra, geometry and statistics to solve problems.
- Represent and evaluate basic mathematical information numerically, graphically, and symbolically.
- Interpret mathematical models such as formulas, graphs, tables and schematics, and draw inference from them.

Students become proficient in techniques of integration and the use of integration to solve real world problems. They also understand the basic properties of convergent series and sequences. In particular, the students will:

- Compute areas and volumes
- Solve real world problems involving selected concepts from the physical and life sciences, and economics
- Integrate by using substitution, integration by parts, and partial fractions
- Analyze the convergence of infinite series and sequences
- Perform basic vector algebra

In short, the student should master the material covered in the assigned chapters.

Assessment:

The assessment of the students progress will include some or all of the following: (a) 3 exams during the semester; (b) a comprehensive final given at the conclusion of the course; (c) graded homework assignments; (d) in-class discussion of homework problems (or problems from the text similar to the assigned problems); (e) one-on-one consultation with me during the office hours.

Accommodation for Students with Disabilities:

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. (Extracted from OP 34.22)

Observance of Religious Holidays:

Texas House Bill 256 requires institutions of higher education to excuse a student from attending classes or other required activities, including examination, for the observance of a religious holy day. The student shall also be excused for time necessary to travel. An institution may not penalize the student for the absence and allows for the student to take an exam or complete an assignment from which the student is excused. No prior notification of the instructor is required.

Academic Integrity:

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. (extracted from OP 34.12)

Civility in the Classroom

Please be considerate to others.

- Be respectful to the professor and to your fellow students.
- Do not 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.
- Cell phones, ipods, pagers, etc. must be OFF at all times during class.