

Kent Pearce

Math 1352-012

Office: MA 201-B
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Lecture
TT 11:00 MA 014

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HomePage: www.math.ttu.edu/~pearce
(Syllabus, Calendar, Homework,
WebWork Access)

Text
Strauss, Bradley & Smith,
Calculus, 3rd Ed.
Prentice Hall

Office Hours
Tu-Th 1:30-3:00 or
By Appointment

Chapters: 6-9

Learning Objectives

This course is intended to develop students skills in the following areas:

1. application of definite integration to computing physical quantities: area, volume, arc length, surface area, work and fluid force;
2. integration techniques including: substitution, integration by parts, trigonometric substitution and partial fractions;
3. computation of improper integrals;
4. introduction to infinite series: sequences, geometric series, convergence tests, power series and Taylor series;
5. vector arithmetic in two and three dimensions, including scalar and cross product.

Assessment of the learning outcomes

Assessment will be achieved through one or more activities, non-graded and graded, such as: attendance, class discussion, board work, short quizzes, selected homework, examinations and other optional activities deemed appropriate by the instructor. It is important to note that these assessments are for your learning benefit. Class grades will be assigned according to the following rubric:

Grades

HomeWork-Paper	12 assignments - Paper Based - Drop Lowest Due Tuesdays at 5:00 pm (Dates - See Calendar) http://www.math.ttu.edu/~pearce/courses/1352-20062(012)-hwk.shtml	100 pts
HomeWork-Web	12 assignments - WebWork Based - Drop Lowest Due Wednesdays at 11:00 pm (Dates - See Calendar) http://webwork.math.ttu.edu/webwork2/kp06sprm1352/	100 pts
Examinations	3 mid-term examinations, no make-up examinations Feb 07, Mar 09, Apr 18	300 pts
Final Exam	Comprehensive, Monday, May 8, 10:30 am - 1:00 pm	<u>200</u> pts
Total		700 pts

Grading Scale

A...100% - 90% B...89% - 80% C...79% - 70% D...69% - 60% F...59% - 0%

Review Sessions

Thurs. Feb 02, 7:00 pm; Tues. Mar 07, 7:00 pm; Thurs. Apr 13, 7:00 pm; Wed. May 3, 3:00 pm

Critical Dates

Wednesday, Mar 08, 2006 - Mid-semester grades due.

Wednesday, Mar 22, 2006 - Last day to drop a course

Tuesday, May 2, 2006 - Last day of classes.

Monday, May 8, 2006 - Comprehensive Final Exam (10:30 - 1:00)

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.

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 at MA 201-B as soon as possible to request necessary accommodations. Students should present appropriate verification from Student Disability Services (AccessTECH). No requirement exists that accommodations be made prior to completion of this approved university process.