

Math 142-10 • Calculus II • Winter 2006

Course Instructor: Dr. Paul Choboter
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Office Hours: MTF 11AM-NOON, M 4-5PM, Th NOON-1PM, and by appointment.

Textbook: *Calculus*, 5th edition, James Stewart, 2003.
The course will follow the text closely, covering Sections 5.5 through 10.4.

Course goals and learning objectives: The student should:

- Be able to differentiate and integrate elementary transcendental functions.
- Understand some of the applications of integration, including areas, volumes, work, arc length, lateral surface area, and center of mass.
- Know how to integrate combinations of elementary functions with accuracy and confidence.

Final Grade:

15%	Homework quizzes
25%	Midterm exam #1 (In class on Friday, January 27th)
25%	Midterm exam #2 (In class on Friday, February 24th)
35%	Final exam (Friday, March 17th, 1:10PM-4PM, Rm 38-220)

At the instructor's discretion, the lower of the two midterms may be dropped, and the weight transferred to the final. Under no circumstances will the weight of the final be reduced. The final exam is comprehensive.

Homework quizzes: Homework questions from the textbook will be assigned each week. A short (10 minutes, 1 or 2 questions) quiz will be given each Friday. The questions on the quiz will be *very similar* to the homework questions assigned that week.

Calculators: All quizzes and exams will consist of questions that can be done without the use of a calculator. No calculators or other aids will be permitted during exams.

Missing a quiz or midterm: If a student misses a quiz or midterm, the score of that test will be zero unless the student phones the instructor to make alternate arrangements *before the beginning of the test* or presents an acceptable official document (e.g., doctor's note) explaining the absence.

Important dates (holidays and exams):

- Monday, January 2 Holiday (New Year's Day observed)
- Monday, January 16 Holiday (Martin Luther King, Jr. Birthday)
- Friday, January 27 Midterm exam #1
- Friday, February 17 Holiday (Washington's Birthday)
- Friday February 24 Midterm exam #2
- Friday March 17 Final exam