

## Math 141-12 • Calculus I • Fall 2005

**Course Instructor:** Dr. Paul Choboter  
**Office:** 25-313 **Email:** pchobote@calpoly.edu **Phone:** 756-5902

**Office Hours:** MTR 3-4PM, TF 10-11AM, and by appointment

**Class Time&Place:** MTRF 1:10PM-2:00PM, Room 14-247

**Textbook:** *Calculus*, 5<sup>th</sup> edition, James Stewart, 2003.  
The course will follow the textbook closely, covering Chapters 1 through 5.

**Final Grade:**

15%	Homework quizzes
25%	Midterm exam #1 (In class on Friday, October 7th)
25%	Midterm exam #2 (In class on Friday, November 4th)
35%	Final exam (Tuesday, December 6th, 1:10PM-3:00PM, Rm 14-247)

**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.

**Final Exam:** The comprehensive final exam will be on **Tuesday, December 6th at 1:10PM-3:00PM** in room 14-247.

**Course goals and learning objectives:** The student should:

- Understand the meanings of functions, and be able to represent them by means of graphs
- Understand the fundamental concepts of limits and continuity
- Understand the meaning of a derivative and be able to compute derivatives of algebraic functions and trigonometric functions
- Be able to use derivatives to solve problems involving maxima, minima, and related rates
- Begin to understand integration

This is a challenging but important course with many new mathematical concepts discussed in a short amount of time. It is fundamentally important that you practice the material to understand it well. This means you must do all the homework assigned, plus extra problems until you are comfortable with the concepts. The importance of working through problems cannot be overemphasized.

**Important dates:**

- Friday, October 7 – Midterm exam #1
- Friday, November 4 – Midterm exam #2
- Friday, November 11 – Holiday (Veteran's Day)
- Thursday-Friday November 24-25 Holidays (Thanksgiving Break)
- Tuesday December 6 – Final exam