MATH 141-14: Calculus I
Cal Poly
Fall 2007

Instructor: Dr. S. Cooper
    Office: 25-320   *Email*: sucooper@calpoly.edu   *Phone*: 756-1679
    Office Hours: MF 8:30 am – 10:00 am, T 4:15 pm – 5:15 pm & by appointment.
    Correspondence: The best way to reach me is via email. However, emails will only receive
        a reply if they include an appropriate title and the sender's full name.

Class Times & Location: MTRF 1:10 pm – 2:00 pm, Building 26 – Room 304.

Required Background: MATH 118 and MATH 119 or equivalent.

Course Webpage: www.calpoly.edu/~sucooper/courses_fall07/coursedetails.html & blackboard.

Textbook: *Calculus*, 5th Edition, James Stewart, Thomson Brooks/Cole, 2003.

Content: We will closely follow the text, covering Chapters 1 – 5 (except Sections 1.4, 4.6 & 4.8).

Learning Objectives: The student should:
  * ∗ Understand the meanings of functions, and be able to represent them by means of graphs.
  * ∗ Understand fundamental concepts of limits and continuity.
  * ∗ Understand the meaning of a derivative and be able to compute derivatives of algebraic and
       trigonometric functions.
  * ∗ Be able to use derivatives to solve problems involving maxima, minima, and related rates.
  * ∗ Begin to understand integration.

Homework & Quizzes: Homework questions will be assigned each lecture. Once a week (see "Dates to Remember") either homework will be collected or a quiz will be given. It will not be previously announced which task will be performed. These evaluations will be used to check that homework is being completed and to gauge your progress with the material.

Project: During the quarter I will assign a project. The project will be a series of true/false questions that test your understanding of the theory experienced thus far. You will work in groups of 3 people. *No late submissions will be accepted.*

Exams: There will be 2 in-class exams given during the quarter. In addition, there will be a cumulative final examination. The dates of these exams can be found in "Dates to Remember".

Course Grades:		
	Homework/Quizzes (Best 7 out of 9)	15 %
	Project	10 %
	Exams 1 & 2	20 % each
	Final Exam	35 %

At the instructor's discretion, the lower of the two exam scores may be dropped, and the weight transferred to the final exam. The weight of the final exam will not be reduced.

Calculator Policy: No calculators or other aids will be allowed during exams. All quiz and exam questions will be designed so that they can be answered without calculators.

Missed Homework/Quizzes and Exams: There will be no make-up homework/quizzes for *any* reason. If you have to miss a homework/quiz, then a grade of zero will be given and this will count as one of your dropped homework/quizzes. A missed exam will count as zero unless alternate arrangements are made *before the test* or acceptable official documentation (such as a doctor's note) explaining the situation is presented.

Academic Dishonesty: You will be expected to submit only work that is your own. This will help us gauge your understanding, progress, and abilities for the material. If any dishonesty is caught, then a grade of F will be given in the course.

Dates to Remember:

Friday, September 21	Homework/Quiz 1
Friday, September 28	Homework/Quiz 2
Friday, October 5	Homework/Quiz 3
Thursday, October 11	EXAM 1
Friday, October 19	Homework/Quiz 4
Friday, October 26	Homework/Quiz 5
Friday, November 2	Homework/Quiz 6
Thursday, November 8	EXAM 2
Monday, November 12	No Class (Veterans' Day)
Friday, November 16	Homework/Quiz 7
Tuesday, November 20	Homework/Quiz 8
Thursday, November 22	No Class (Thanksgiving Break)
Friday, November 23	No Class (Thanksgiving Break)
Friday, November 30	Homework/Quiz 9
Monday, December 3	FINAL EXAM (1:10 pm – 4:00 pm, Building 26 – Room 304)

Expectations & Tips on How to be Successful in MATH 141:
∗ An essential part of the learning process occurs during class. Although there is no grade assigned for attendance, you are expected to attend classes regularly.
∗ Starting with the first class, study in-depth and regularly. You are expected to study *25 – 35 hours a week outside the classroom*. Thus, at a minimum you should be studying *2 hours for every one hour of class*. Read "University Expectations" on the course webpage for more ideas.
∗ You are expected to read the material to be covered *before* the lecture, and to do the assigned exercises *before* the next class period.
∗ Be an active participant and considerate to others during class discussions.
∗ Do not rely on solution manuals! These are readily available and it is tempting to just copy the solutions. However, struggling through the exercises on your own is an important phase of the learning process.
∗ Get help as soon as you need it: ask questions in class and office hours; form a study group with your classmates; consider getting a tutor, etc.
∗ For exam preparation, practice exercises that have not been assigned. The review exercises at the end of each chapter in the textbook are an excellent source of additional questions.
∗ Everyone wants you to succeed. Please speak with me regarding any concerns you may have.
∗ Relax and have fun with the course!