Applied Calculus – Spring 2013
Dr. Hung-Chieh Chang

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Office Hours: Below is the office hour schedule. Appointments can be made for other times.

Monday	Tuesday	Wednesday	Thursday	Friday
9:00–9:50		9:00–9:50	11:00–11:50	9:00–9:50
2:00–2:50	2:00–2:50	2:00–2:50	1:00–2:50	2:00–2:50

Course Description: A survey of calculus and its applications to business, life, and social sciences. Limits, beginning techniques of differentiation and integration, maxima, minima. Prerequisite: MATH 1513 (College Algebra), MATH 1613 (College Trigonometry), or MATH 1715 (College Algebra And Trigonometry) or Departmental Approval or Placement by Examination.

Textbook: Bittinger, Marvin , *Calculus and its Applications*, 10th edition, Addison-Wesley Longman

Course Philosophy and Objective: This course is designed so students will learn calculus in a setting that has applications in mind. The course is less theoretical than Calculus I & II, but covers topics from both courses. The goals are understanding of the principles and ability to do problems. The course is also an exercise in both clear thinking and discipline to put forth the required effort. We will cover most of Chapters 1, 2, 3, 4, and as much of Chapter 6 as time permits.

Grading Policy: Grades are determined with respect to the following weights:

- Mid-term examinations (at least three), collectively worth 65%.
- A comprehensive final examination on May 3, worth 25%.
- In class quizzes, collectively worth 5%.
- Web homework and/or turned in homework, collectively worth 5%.

Make-up exams will only be given for students if approved by the instructor prior to the scheduled exam time or within 24 hours of it. If the final examination score is higher than the lowest midterm examination score, then the final score will replace that (one) midterm examination score as well.

Homeworks and Quizzes: Each homework may be done in one of the following two ways:

- Turn in the written homework by due date.
- Finish the homework online using MyMathLab with course ID **chang87664**.

Generally no late homework will be accepted with exceptions made on a case-by-case basis such as for extended illness, and it must be turned in in the written form. There will be approximately one quiz per week with **no make-up quizzes given** for this course, and at least the lowest 3 quiz scores will be dropped at the end of the semester.

Attendance: Students are expected to make every effort to attend every class. While situations understandably arise, chronic or consistent absence will put the student at risk of being dis-enrolled from the course.

Calculators: Scientific calculators will be helpful. However, there may be occasions where no calculators—or just no graphing calculators—are allowed.

Getting Help: If needed, students are expected to seek help outside of the classroom. Here are some sources:

- The instructor, during office hours or by appointment, or by email when feasible.
- Mathematics Department tutors, available in 301 Campbell. See the schedule posted near the door of that room.
- Other instructors, when available.
- MyMathLab tutorial.

A.D.A.: Students with verified disabilities are entitled to reasonable accommodations in order to complete educational goals while attending Southwestern. For accommodations to be provided, students must request accommodations and provide appropriate documentation. With your permission, the Dean of Students (774-3767) will notify faculty of your specific requests.