

## **22M:009:081 (Elementary Functions) Fall 2006**

**Instructor:** Ted Wendt  
**Office:** 25N MacLean Hall  
**Office Hours:** TBA  
**Math Lab Hours:** TBA  
**Home Phone:** (319) 541-6439  
**Office Phone:** (319) 335-3719  
**e-mail:** [twendt@math.uiowa.edu](mailto:twendt@math.uiowa.edu)  
**Final Exam:** Wednesday, December 13, 2:15 P.M.

### Course materials

**Text:** Sullivan, *Precalculus*, Seventh Edition, Prentice Hall, 2005. (Required)  
Texas Instruments Graphing Calculator. (Strongly Recommended)  
(I will be using a TI-83 Plus for in-class instruction.)

Course Goals: This is a fast-paced course that roughly condenses 22M:002 (college algebra) and 22M:005 (trigonometry) into one semester with greater emphasis on preparation for calculus. Expect the material to be covered at three times the pace of high school. The prerequisite is 22M:005, or two years of high school algebra and one year of geometry.

Students are expected to attend class and to read the textbook for comprehension. It is recommended that you read the sections to be covered in class before the lecture. You are responsible for the material covered in class as well as material from the text which is assigned but not covered in class. Lecture time is at a premium; you cannot be taught everything in class. It is your responsibility to learn the material; the instructor's job is to guide you in your learning. You are also responsible for any changes to the syllabus (such as exam dates) which may be announced in class.

Examinations and Grading: There will be four in-class exams, a final exam, graphing calculator projects, and graded homework assignments. Your final grade will be based on the following distribution:

In-class exams	60%
Final exam	20%
Homework, projects	20%

- Use of textbooks, notes, or any other supplementary material on exams is not allowed. Supplementary material includes, but is not limited to, books, calculators, computers, and other students.
- A plus/minus grading system is used (except that the grade A+ will not be assigned in this course).

- It is very important that you take the examinations at the scheduled times. Alternate exams will be scheduled **only** for those who have compelling, convincing and confirmable reasons. The final examination is scheduled for Wednesday, December 13, 2:15 P.M. and cannot be rescheduled.

### Weekly Homework Assignments

- Homework will be assigned each class period and will be collected once each week. I'll let the class decide which day homework will be collected.
- Unless otherwise noted, each homework assignment is worth 10 points.
- For full credit, assignments must meet the following criteria:
  - Your name should be at the top of each homework page,
  - You should make an attempt to solve each of the assigned problems,
  - All pages of each section must be stapled together,
  - Notebook "frills" should be removed.
  - The homework must be turned in on time. (No late homework will be accepted)

Any assignment not meeting these criteria will be penalized accordingly.

Course Website I will maintain a simple course webpage through the university's ICON service <http://icon.uiowa.edu>. You may log in using your HawkID and password. The course website will be used to post homework assignments, course documents, and current student grades. Occasionally, you may be asked to complete online surveys.

This course is given by the College of Liberal Arts and Sciences. This means that class policies on matters such as requirements, grading, and sanctions for academic dishonesty are governed by the College of Liberal Arts and Sciences. Students wishing to add or drop this course after the official deadline must receive the approval of the Dean of the College of Liberal Arts and Sciences. Details of the University policy of cross enrollments may be found at:

<http://www.uiowa.edu/~provost/deos/crossenroll.doc>

Graphing calculators: A Texas Instruments graphing calculator (model TI-82 or higher) is strongly recommended for this course. If you already own another model, please see me. It is expected that you read the manual for the calculator as very little class time will be devoted to teaching you how to operate the calculator. The use of a graphing calculator does not relieve you from learning the necessary algebra skills. Remember: calculators will not be allowed on exams.

The Mathematics Tutorial Lab: 314 MLH: As a general rule, you will find it necessary to spend approximately two hours of study for each lecture, and additional time will be needed for quiz and exam preparation. It is strongly advised that you start working on this course and use the Math Lab from the very beginning. The importance of doing the assigned homework cannot be over emphasized. The Math Lab is a drop-in tutorial service (no charge) staffed by teaching assistants from the Department of Mathematics. The hours are 9:30-4:30 Monday-Thursday, 9:30-12:30 Friday, and 6:00PM-9:00PM Sunday-Thursday. The lab provides one of the best ways of getting personalized help.

Practice quizzes and exams are also available in the lab. From time to time tutorials on special topics will be offered as well. You are strongly urged to make use of this service.

Important Notice: Information concerning Student Rights and Responsibilities (including student complaints about faculty actions and academic misconduct) can be found in the CLAS Student Handbook (<http://isis.uiowa.edu>). If a situation arises where you and your instructor disagree on some matter and cannot resolve the issue, you should see the Course Supervisor. However, any problems concerning the course should be discussed first with your instructor.

**Course Supervisor:** Dennis Roseman

**Office:** B1J Maclean Hall (Basement)

**Office Hours:** by appointment

**Telephone:** Office: 335-0779

Math. Office: 335-0714

**e-mail:** [roseman@math.uiowa.edu](mailto:roseman@math.uiowa.edu)

Disabilities: Please see me, either after class or during office hours, if you have a disability which may require some modification of seating, testing, or other class requirements so that appropriate arrangements can be made.

## Tentative Course Schedule

Date	Section	Date	Section
August 21	1.1	October 13	5.5
August 22	1.2	October 16	6.1
August 23	1.3	October 17	6.2
August 25	2.1	October 18	6.3
August 28	2.2	October 20	6.4
August 29	2.3	October 23	6.5
August 30	2.4	October 24	6.6
September 1	2.5	October 25	6.7
	<b>Drop-Add Deadline</b>		
September 4	Labor Day--no class	October 27	6.8
September 5	2.6	October 30	<b>Exam 3 Drop Deadline</b>
September 6	<b>Exam 1</b>	October 31	7.1
September 8	3.1	November 1	7.2
September 11	3.2	November 3	7.3
September 12	3.3	November 6	7.4, 7.5
September 13	3.4	November 7	8.1
September 15	3.5	November 8	8.2
September 18	3.6	November 10	8.3
September 19	3.7	November 13	8.4
September 20	4.1	November 14	8.5
September 22	4.2	November 15	<b>Exam 4</b>
September 25	4.3	November 17	9.1, 9.2
September 26	4.4	November 18-26	<b>Thanksgiving Break</b>
September 27	4.5	November 27	9.3
September 29	4.6	November 28	9.4
October 2	4.7	November 29	9.5
October 3	4.8	December 1	13.1
October 4	<b>Exam 2</b>	December 4	13.2
October 6	5.1	December 5	13.3
October 9	5.2	December 6	13.4
October 10	5.3	December 8	13.5
October 11	5.4	December 13	<b>Final Exam 2:15 P.M.</b>

NOTE: This schedule is only tentative. Changes to the syllabus may be announced in lecture. You are responsible for being aware of such announcements.