

## 22M:005:231 (Trigonometry) Spring 2005

**Instructor:** Ted Wendt  
**Office:** 255 Macbride Hall  
**Office Hours:** TBA  
**Math Lab Hours:** TBA  
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**Final Exam:** Thursday, May 12 2:15 P.M.

**Text:** Lial, Hornsby & Schneider, *College Algebra and Trigonometry*, Third Edition, Addison Wesley Longman, 2005. (Required)

Student Solution Manual by Heidi Howard (Recommended)

TI-83 Plus or TI-84 Plus Graphing Calculator. (Strongly Recommended)

Course Goals: This is a course covering trigonometry. Expect the material to be covered at a much faster pace than high school. The prerequisite for this course is 22M:002, 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 two in-class midterm exams, a final exam, several graphing calculator projects, and graded homework assignments. Your final grade will be based on the following distribution:

Midterm exams	40%
Final exam	30%
Homework and projects	30%

- Use of textbooks, notes, or any other supplementary material on exams or quizzes 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 Thursday, May 12 at 2:15 PM and cannot be rescheduled.
- Homework will be collected at the beginning of each class period. Unless otherwise noted, each homework assignment is worth 10 points. Late homework will not be accepted.

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: The TI-83 Plus or TI-84 Plus graphing calculator 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:** William Kirk  
**Office:** 25H Maclean Hall (ground level, north wing)  
**Office Hours:** 1:30 MTWR or by appointment  
**Telephone:** Office: 335-0788  
 Math. Office: 335-0714  
 Home: 351-4188  
**e-mail:** [kirk@math.uiowa.edu](mailto:kirk@math.uiowa.edu)

**Web:** <http://math.uiowa.edu/~kirk>

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
Jan 19	5.1	Mar 14-18	Spring Break
Jan 21	5.2	Mar 21	7.7
Jan 24	5.3	Mar 23	7.7
Jan 26	5.4	Mar 25	Review
Jan 28	6.1	Mar 28	Exam 2
Jan 31	6.2	Mar 30	8.1
Feb 2	6.3	Apr 1	8.1
Feb 4	6.4	Apr 4	8.2
Feb 7	6.5	Apr 6	8.2
Feb 9	7.1	Apr 8	8.3
Feb 11	7.1	Apr 11	8.3
Feb 14	7.2	Apr 13	8.4
Feb 16	7.2	Apr 15	8.4
Feb 18	Review	Apr 18	8.5
Feb 21	Exam 1	Apr 20	8.5
Feb 23	7.3	Apr 22	8.6
Feb 25	7.3	Apr 25	8.6
Feb 28	7.4	Apr 27	8.7
Mar 2	7.4	Apr 29	8.7
Mar 4	7.5	May 2	8.8
Mar 7	7.5	May 4	8.8
Mar 9	7.6	May 6	Review
Mar 11	7.6	May 12 2:15 P.M.	Final Exam

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