

# Math 1060 Section 2: Trigonometry

## Fall 2008

**Instructor:** Dr. Gretchen Rimmasch  
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**Office Hours:** 9-10am MTWRF or by appointment

**Classroom and Time:** SC 227 2:00-2:50am MWF  
**Text:** *Trigonometry* Fifth Edition by Charles McKeague and Mark Turner, Brooks/Cole.

**Course Description:** Trigonometric functions, definitions, radian measure, graphs, solving trigonometric equations, vectors, Law of Sines, Law of Cosines, complex numbers, polar coordinates.

**Prerequisite:** A recent (within the last 2 years) math ACT of 23, or a grade of *C* or better in Math 1010 (Intermediate Algebra) within the last two years

**Course Fee:** None!

**Course Objectives:** Upon successful completion of this course, you will

- be familiar with trigonometric functions and their graphs,
- be able to solve trigonometric equations,
- be able to work with radians, vectors, complex numbers, and polar coordinates.

**Attendance:** Attendance is expected, although it will not be recorded. Attending class is an important part of the learning process and your grade will suffer if you are not present. If you do miss class, it is your responsibility to find out what material you have missed and what the homework assignments are.

**Course Pace:** In general one section will be covered each day, although some sections may be skipped or doubled up. Homework assignment problems will be announced in class at the end of the lecture on a given section. Expect two hours of homework for every hour in class.

**Assignments:** Assignments will generally be collected **in class** on Mondays, Wednesdays, and Fridays, the class period after it is assigned. **Late homework will not be accepted.** The lowest four homework scores will not be figured into your final grade. This accommodates for minor illnesses or others disruptions to your regular schedule that might prevent you from turning an assignment in on time. Solutions should be clearly labeled and in order. The style of your written solutions should be very much like that of a text book example; solutions should contain enough explanation so that one of your classmates would be able to easily understand what you have done. Generally, it is inadequate to merely write down a final answer. You are strongly encouraged to study together and work together on homework assignments. However, you each must submit your own assignment. Everything you turn in should be in your own words and you should thoroughly understand everything you write down. The homework grader will only grade selected exercises, therefore it is important for you to solve each one.

**Quizzes:** You will generally be given a quiz once a week. These quizzes will be made up of problems taken directly from the homework from the previous week. Unplanned quizzes may be given at the discretion of the instructor. **Missed quizzes cannot be made up unless there are extenuating circumstances as approved by the instructor.**

**Midterm Exams:** The midterm exams will be held in class, according to the schedule listed below. Books and notes will not be permitted during the exams, and there may be portions of the exams for which no calculators are permitted. No partial credit will be given on multiple choice questions on the exam, but partial credit will be given on written response questions. For this reason you need to show all your work on the written portion of the exams. **Missed exams cannot be made up unless there are extenuating circumstances as approved by the instructor.**

| Exam     | Sections Covered  | Date                  |
|----------|-------------------|-----------------------|
| Exam I   | Chapters 1 and 2  | September 17          |
| Exam II  | Chapters 3, and 4 | October 15            |
| Exam III | Chapters 5 and 6  | November 10           |
| Final    | Comprehensive     | December 12, 1-2:50pm |

**Grading:** All of the assignments, quizzes, and exams in the class will be graded on completeness, correct process, and correct answers. As noted above, simply having the right answer is not enough. You need to show adequate work to demonstrate that **you** understand the problem and the methods involved for solving it. The weighted average and the grade cut offs for the class are given below.

|     |                 |    |     |    |      |
|-----|-----------------|----|-----|----|------|
| 20% | Assignments     | A  | 93% | C  | 73%  |
| 10% | Quizzes         | A- | 90% | C- | 70%  |
| 45% | 3 Midterm Exams | B+ | 87% | D+ | 67%  |
| 25% | Final Exam      | B  | 83% | D  | 63%  |
|     |                 | B- | 80% | D- | 60%  |
|     |                 | C+ | 77% | F  | <60% |

**Academic Integrity Policy:** Scholastic dishonesty will not be tolerated and will be prosecuted to the fullest extent. You are expected to have read and understood the current issue of the student handbook (published by Student Services) regarding student responsibilities and rights, and the intellectual property policy, for information about procedures and about what constitutes acceptable on-campus behavior.

**ADA Policy:** Students with medical, psychological, learning or other disabilities desiring academic adjustments, accommodations or auxiliary aids will need to contact the Southern Utah University Coordinator of Services for Students with Disabilities, in Room 206F of the Sharwan Smith Center or phone (435) 865-8022. The Disability Office determines eligibility for and authorizes the provision of services.

**Disclaimer:** Information contained in this syllabus, other than the grading, late assignments, makeup work and attendance policies, may be subject to change with advance notice, as deemed appropriate by the instructor.