

Math 124  
Trigonometry--Spring 2010  
Monday and Wednesday 9:00 am - 10:20 am  
Revised 3/1/2010

Instructor: S. Sworder

Office: SM 365; Office Phone: (949) 582-4316

Office Hours: MW 10:30 am to noon; TTh noon to 1 pm;  
Friday 9 am to noon

Website: [www.saddleback.edu/faculty/ssworder](http://www.saddleback.edu/faculty/ssworder)

Textbook: Sworder. The Adventure Becomes Periodic.

The textbook is a set of  $8\frac{1}{2}$  × 11 inch pages that are three hole punched and shrink-wrapped with a gray colored cover. There are shrink-wrapped textbooks by Sworder for other courses in the bookstore. You only want the one with the gray cover.

Students who successfully complete Math 124 will be able to:

1. demonstrate the ability to do computations and solve equations involving trigonometric functions.
2. demonstrate critical thinking skills in solving word problems that involve trigonometric functions.
3. demonstrate proficiency in graphing trigonometric functions.

Calculator: You will need a scientific calculator that has the ability to compute trigonometric functions (look for a SIN or sin(x) key). Many fairly inexpensive calculators have this option and your instructor's personal recommendation is the standard model TI36 or TI36X by Texas Instruments. The standard model TI36 is preferred over the menu driven models such as the TI36-II. You may not use a graphing calculator, cell phone, computer, or any other communication device during the examinations in this course.

Food and Drink: Please do not bring food or drinks into the classroom. Please do not eat or drink anything while in the classroom

Cell Phones: Please turn off your cell phone, laptop, and other communication devices while you are in the classroom

Attendance: It is expected that you will attend class daily, arrive before the class starts, and not leave until class is dismissed. Unless you are receiving accommodations through the Special Services department, you must take the examinations when given to the class as a whole. You may be withdrawn from this class if you miss a chapter exam or miss 6 hours of class instruction. Please do not schedule appointments for or engage in other activities during the time this class meets. Please do not schedule personal or family vacations that will cause you to miss any of our class meetings.

Homework: Practice exercises are included in the textbook. After the classroom discussion of a particular section from the textbook, it is expected that you will do the practice exercises from that section before the next class meeting. These exercises will not be collected or graded. The answers for each of these exercises are given near the end of the textbook. In addition, the complete worked out solution for many of the exercises is shown in the Solutions Guide that came shrink-wrapped with the text.

Grading Procedure: Four examinations will be given this term according to the following schedule. The first three exams are given during our regular class time, but the final exam is given at the special time shown below.

<u>Examination</u>	<u>Chapters from Text Covered</u>	<u>Day and Date</u>
1	Chapter 1	Mon., Feb. 22
2	Chapter 2	Mon., Mar. 31
3	Chapter 3	Mon., May 10
4	Chapters 1 through 3	Mon., May 17; 10:15 am to 12:15 pm

The first three exams each cover one chapter and the last exam is a comprehensive final examination. The comprehensive final exam is optional, but the chapter exams are not optional. Each exam has a maximum score of 100 points.

Except as described below, the comprehensive final examination is optional. If you take the comprehensive final examination, that score will be used to replace the lowest score earned on the chapter exams you have completed. This replacement will take place even if the score on the comprehensive final is lower than the lowest chapter examination score. The grade on the comprehensive final examination does not replace the grade of 0 from a missed chapter exam, except as noted below.

A Missed Chapter Examination:

If you make the decision not to take a chapter exam, you should also withdraw from the class. If you miss a chapter exam due to an unforeseen emergency, you must contact the instructor as soon as possible and before the next class meeting. You may send an email or leave a phone message that describes the nature of the emergency and your desire to use your score on the comprehensive final exam to replace the score of zero from the missed chapter exam. You must make an appointment to meet with the instructor as soon as possible after you can return to class. At this meeting you will present to the instructor the completed homework and class notes for the chapter covered by the missed exam. The homework solutions must neatly show all of the reasoning leading to the answers. Simply listing the answers is unacceptable. The class notes must neatly show all of the examples presented in class. The instructor will evaluate these materials to determine if you had adequately prepared for the missed exam. If, in the instructor's judgment, you were prepared for the missed exam, your score on the comprehensive examination will be used in place of the score of zero on the missed exam when your course grade is calculated. If you do not follow the steps above or if, in the instructor's judgment, you were not prepared for the missed exam, your grade of zero on the missed exam will be used to determine your course grade. Please note, it is practically impossible to earn a grade of C or higher in this course, if one of the exam grades used to determine your final course grade is a zero.

Course Grade Determination: Your course grade is based on the points earned on the examinations. Each exam is worth 100 points and 3 exams count toward your grade and so there are 300 points possible in this class. Your course grade will be assigned as follows: A for 270 pts or above; B for 240 pts to 269.99 pts; C for 210 pts to 239.99 pts; D for 180 pts to 209.99 pts; F for fewer than 180 pts.

Schedule: Listed below are the sections from the textbook that we will cover this semester. They are listed next to the date that the instructor will present corresponding material in class. You are not expected to attempt the assignment for a section until after the classroom discussion on that material. If the instructor is absent and class is dismissed, you should study the material scheduled for that day in depth and bring questions to the next class meeting. Every effort will be made to compensate for the lack of a class presentation on this material, but the schedule has no room for slippage. If class is dismissed on an exam day, the exam will be given at the next class meeting. You should study the material assigned for the subsequent class meeting, since there will be no class presentation on that section.

Day	Date	Section	Day	Date	Section
M	1/11	..... 1.1	M	3/15	..... No Class
W	1/13	..... 1.2	W	3/17	..... No Class
M	1/18	..... No Class	M	3/22	..... 2.8
W	1/20	.... 1.3	W	3/24	..... 2.9
M	1/25	.... 1.4	M	3/29	..... Questions
W	1/27	.... 1.5,1.6	W	3/31	..... Exam 2
M	2/1	..... 1.6,1.7	M	4/5	..... 3.1
W	2/3	..... 1.8,1.9	W	4/7	..... 3.2
M	2/8	..... 1.9	M	4/12	..... 3.3
W	2/10	..... 2.1	W	4/14	..... 3.4
M	2/15	..... Holiday	M	4/19	..... 3.5
W	2/17	..... 2.2	W	4/21	..... 3.6
M	2/22	..... Exam 1	M	4/26	..... 3.7
W	2/24	..... 2.3	W	4/28	..... 3.8
M	3/1	..... 2.4	M	5/3	..... 3.9
W	3/3	..... 2.5	W	5/5	..... Questions
M	3/8	..... 2.6	M	5/10	..... Exam 3
W	3/10	..... 2.7	W	5/12	..... Questions
			M	5/17	..... Final Exam
					10:15 am to 12:15 pm