

### **Instructor**

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### **Prerequisite**

Completion of Math D with a grade of C or better or placement by matriculation assessment process.

### **Text and Calculator**

Trigonometry: A Right Triangle Approach, Fifth Edition, by Sullivan & Sullivan. The Sierra College bookstore has a custom published version of the text and comes bundled with access to a program called MyMathLab. We will not be using MyMathLab in this course so if you have bought the textbook elsewhere and do not have MyMathLab, that is fine. You will also need a scientific calculator for this course. You may not use a graphing calculator or the calculator on your cell phone on any quiz or test.

### **Student Learning Outcomes**

By the end of the course students should be able to:

1. Solve trigonometric equations and triangles. Manipulate trigonometric expressions and identities, vectors, and polar representations of complex numbers.
2. Interpret and construct graphs trigonometric functions, conic sections, parametric equations, and vectors utilizing rectangular and polar coordinates.
3. Translate, model, and solve applied problems utilizing trigonometric functions and vectors.
4. Logically present clear, complete, accurate, and sufficiently detailed solutions to communicate reasoning and to demonstrate the method of solving problems.

The complete list of the course objectives is available online. See

<http://math.sierracollege.edu/coursedescriptions/course.asp/>.

### **Homework**

Homework problems will be assigned each class meeting to be completed by the next class meeting. Be sure to copy the original problems onto your paper from the book and show all of your work on the paper neatly. Each Thursday I will collect a set of homework OR you will have an in-class homework check. If I collect homework, I will collect some or all of the homework assigned the previous two class meetings. If you have a homework check, you will be asked to have your homework out and quickly copy selected problems from your homework onto another page. Homework will be worth 5 points per week. I do not accept late homework.

General homework study includes more than just working the assigned problems. The following types of activities are suggested:

- a. Review your notes from class.
- b. Read the appropriate pages of the text.
- c. Work with other classmates practicing problems. Feel free to do more than the problems assigned if you feel that you need extra practice.
- d. Spend time memorizing any formulas or identities that you have been using.

### **Quizzes**

A short quiz will be given on many Thursdays. Each quiz will be worth 15 points. Your lowest quiz score will be dropped. If you are absent for a quiz, this is the quiz that will be dropped. There are NO MAKE-UP QUIZZES.

## Tests

There will be four tests worth 100 points each. Your lowest test score will be dropped. If you know that you will not be able to attend class on a test day, let me know in advance and we may be able to make alternate arrangements for you to take the test early. If you are absent for a test and you don't contact me to make alternate arrangements, this will be the low test score that will be dropped. There are NO MAKE-UP TESTS. The final exam will be worth about 200 points. Of course, the final exam cannot be dropped. The final exam will be on the last day of class Thursday, May 18.

## Grading

Your grade will be based on your accumulated point total from homework, quizzes, tests, and the final exam. The following percentages will be used:

90%	-	100%	A
80%	-	89%	B
70%	-	79%	C
60%	-	69%	D
0%	-	59%	F

## Attendance

You should plan to attend each class meeting. Although I do not give points for attendance, you put yourself at a definite disadvantage by missing class. If you are absent, be certain to find out from a classmate exactly what was covered in class that day, get a copy of that person's notes, get a copy of any handouts that were given that day, and make sure that you find out whether any announcements of which you should be aware were made. If you are absent, I encourage you to check Canvas or my website for the current homework assignment, but remember that you are responsible for any assignment given during class even if they haven't been updated.

Although I have a right to drop any student who has accumulated excessive absences for this class (4 class meetings), it is not my responsibility to do so. If you decide that you need to withdraw from this class, remember that it is your responsibility to do so.

## Class Conduct

While I hope the atmosphere of the class is fairly relaxed, I take the learning of mathematics seriously. Please be respectful of everyone's right to a positive learning environment. Excessive talking at inappropriate times or about non-course related topics is both discourteous and distracting to students nearby. Often during presentation of new material, I include problems for you to try at your desk. My expectation is that everyone will actively participate and try the problems. Attempting the problems in class gives you an opportunity to check your understanding and ask questions before leaving class. During the times that you're working on these problems, I encourage you to talk with someone near you about the problems.

If you are late for class, please enter the classroom as unobtrusively as possible. Finally, text messaging during class is inappropriate and cell phones should be turned to silent before class.

## Academic Honesty

Academic honesty is expected; cheating will not be tolerated. If a student is caught cheating, at a minimum the student should expect to receive a zero for the particular assignment/test. (If a student is caught cheating on a test or a quiz, the test or quiz may not be dropped.) See the current Sierra College Catalog for the college's policy on academic dishonesty.

## Resources

If there is something you don't understand, take an active role in finding out what you need to know. If there is not time in class to ask your questions, make sure to make use of my office hours. My office and office hours are listed on the front of this syllabus. Don't hesitate to come by and ask questions. Drop-in tutoring is available through the Math Center in room V-329 Monday and Thursday 8 am-6 pm, Tuesday and Wednesday 8 am-8 pm, Friday 8 am-4

pm, and Saturday 8 am-1pm(Saturday location is W-213B). Tutoring is also available through the tutoring center in room LRC 402A. Make use of these resources!

**Title IX**

As an instructor, one of my responsibilities is to help create a safe learning environment for my students. Under Title IX as a member of the college community, I have the responsibility to report any instances of sexual harassment, sexual or domestic violence, and/or other forms of prohibited discrimination about which I become aware. If you would like to share information of that nature to a confidential counseling employee who does not have this reporting responsibility, please let me know and I can get you in contact with them.