

*Seattle Pacific University seeks to change the world as evidenced through graduating students of competence and character and people of wisdom who model a grace-filled community who also engage the larger culture at hand. The mathematics department at Seattle Pacific University seeks to provide excellent instruction to enable our students to be competent in the mathematics required for their chosen fields, and to share our expertise with the community through service and leadership. Hence, common goals for students in mathematics courses include 1) becoming competent in the topics covered in the course, 2) demonstrating skills and attitudes which contribute to professional, ethical behavior, 3) the ability to communicate mathematically, in both written and verbal form, and 4) learning to appreciate the beauty and utility of mathematics.*

**NOT OPEN FOR CREDIT TO THOSE HAVING MATH 1110 OR EQUIVALENT.**

**Text:** Algebra and Trigonometry 7<sup>th</sup> ed. by Michael Sullivan.

**Prerequisite:** Math 1112 (College Algebra) or equivalent in high school.

**Placement Exam:**

The purpose of this placement exam is to determine if you have the prerequisite skills necessary for success in this course. It should be taken the first week of the quarter so that you can change your registration if you feel you are misplaced. If your score is marginal or low you must talk to the Math Lab Coordinator as early in the quarter as possible.

If you have taken this exam previously, please contact the Math Lab Coordinator about waiving it this quarter.

**General Information:**

1. You will need a scientific calculator in this course to use on assigned problems and exams.
2. There are 3 unit exams. Be sure to check the outline for the exact sections to be studied for each unit. Any form of a unit test taken after the listed date will be marked late. A final is not needed in this course because you are using earlier material continuously.
3. Read the textual material for the sections indicated in the unit. Do as many problems as necessary from those indicated in the exercise set to be able to master the material. Some answers are in the back of the text.

## Grading:

Your grade in this course depends entirely upon the results of your unit exams and is as follows:

A	An average of 94% or better	C+	An average of 78% to 80%
A-	An average of 90% to 93%	C	An average of 75% to 77%
B+	An average of 87% to 89%	C-	An average of 72% to 74%
B	An average of 84% to 86%	D+	An average of 69% to 71%
B-	An average of 81% to 83%	D	An average of 66% to 68%

## Course Outline:

Do all sections unless otherwise indicated.

Unit	Sections
1	6.1-6.8
2	7.1-7.8
3	8.1-8.5

*You will be provided with formulas  
for  $\tan(\alpha + \beta)$  and the half angle formulas  
for sine, cosine and tangent to use on the exam.*

Check the General Instructions regarding penalties for late unit exams.

You do not have a final exam. Therefore, you should be through with the course before Finals.