SPU Mathematics Department *College Algebra*

www.spu.edu/depts/math/mathlab.htm *Math 1112*

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 TAKEN MATH 1110 OR EQUIVALENT.

Text: Algebra and Trigonometry, 7th edition, Michael Sullivan.

Prerequisites:

1. Passing of the Mathematics Competency Exam or satisfactory completion of Arithmetic Review (Math 0121-5).
2. Passing Intermediate Algebra in college or its high school equivalent.

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.

General Information:

(1) We are assuming that you are familiar with most of the material in the first 2 chapters of the text which is over material covered in Intermediate Algebra. Do not spend too much time reviewing this material. You do not need to be able to do every problem in these skipped pages to succeed in this course.

(2) Check the course outline for the exact sections to be studied for each unit.

(3) There are 4 unit exams and a Final. Read the objectives for the indicated sections and participate by doing the appropriate section exercises. Do as many of the numbered exercises where answers are provided as needed after reading each section to feel secure in the particular skills being learned. You do not have to do all of the odd numbered problems and you do not turn in any problems.

(4) Follow the dates on the test schedule. It is very important that you take the first exam by the scheduled date.

(5) Before taking the test in Math Lab, practice by doing a selection of problems from the chapter review.

(6) Allow ample time for the taking of the exam. When you are ready, ask the T.A. for a test. Do not make a mark of any kind on these tests. The T.A. may go over your errors with you, or you may talk with the faculty on duty.

(7) In order to go on to the next unit **we prefer that you receive a grade of at least 75%** (or use up all available forms). If you did not meet this requirement, do further work in the areas where you made errors. Perhaps do some of the alternate problems in your area of weakness as further drill. Consult with the staff for individual assistance. You must wait a day before retaking any test.

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 75%
A-	An average of 90%	C-	An average of 72%
B+	An average of 87%	D+	An average of 69%
B	An average of 84%	D	An average of 66%
B-	An average of 81%	E	An average below 66%
C+	An average of 78%		

If you do not pass the first form of a unit (score of 65% or below), the best score you can receive on a subsequent form of that unit will be 90% (before the late penalty is applied). For example, if you receive a grade of 60% on 3A and take 3B late, the best grade you can receive on 3B or 3C is 83%. If the T.A. inadvertently gives you a higher unwarranted score on a B or C form, it will be changed by the faculty member doing grades.

COURSE OUTLINE

Test Unit	Sections Covered	Chapter Focus
ONE	2.1, 2.2, 2.3, 2.4, 2.5, 2.7	TWO
TWO	3.1-3.6, 5.1	THREE & FIVE
THREE	4.1-4.7	FOUR
FOUR	5.2, 5.3, 5.4, 5.8 11.1, 11.2, 11.3, 11.5, 11.6	FIVE & ELEVEN
FINAL	Comprehensive	