

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.

This course does not carry credit for graduation. However, it is counted as part of your total credits for the quarter and its grade is used in determining your grade point average.

Text: Basic College Mathematics, 2nd or 3rd ed., by Martin-Gay.
Available for optional use in the bookstore is a Student's Solution Manual.

Contents:

- ❖ **CAUTION!** The unit numbers are not always the chapter number.
- ❖ Some units involve more than one chapter.
- ❖ Chapter eight is omitted.
- ❖ **You may use a calculator on Units 5 through 9 and the Final.**

UNIT		Text Chapters	Concepts
1		1	Whole Numbers
2		2	Mult/Div Fractions
3		3	Add/Sub Fractions
4		4	Decimals
5		5 and 6	Ratio/Proportion/Percent
6		9	Statistics & Probability
7		7	Measurement
8		10	Signed Numbers
9		11	Intro to Algebra
Final		All except chapter 8	

A student who is required to do 5 credits does all the above. If you have signed up for less than 5 credits, the T.A. will inform you of the units you are to do. (This course is set up by units not chapters.)

General information

1. You have three quarters to remove all the deficiencies. You will not take the Final, which covers all the units, until you have satisfactorily completed all your required units. However, you may take the final as soon as the work is complete. You don't have to wait until the end of the quarter. Each student must take and pass the Final before the mathematics deficiency is considered to be eliminated.
2. If you are using ARITHMETIC REVIEW to make up the deficiency indicated by your entry skills test you must have a grade 75% or better (before late penalty points are deducted, if appropriate) on each required unit and the final. If you use all three forms of the exam for the unit and still have not achieved this, you are to go on to the next unit. Before you can take the final, however, you will have to do additional work on the low unit(s) and perhaps even re-register for a credit.
3. If you are taking ARITHMETIC REVIEW in lieu of the competency test you must so inform the Math Lab Coordinator. You must register for the course and will be required to do all 9 units and the final.
4. If you are using ARITHMETIC REVIEW to improve a basic arithmetic skill even though you passed the mathematics entry skills test you must contact the Math Lab Coordinator at the start of the quarter. The credit(s) that you sign up for may not be used as part of the 12 credits needed to bring you up to full time status.
5. The course is designed to help you acquire arithmetic skills. It is offered through the Seattle Pacific Math Lab only. You may not take work at another institution instead of this course to make up the deficiency indicated by your entry skills test.
6. Your text is designed to be your main teaching tool. Be sure to check this course outline for the chapters to be studied for each unit. Notice the objectives of each section. Through the use of lower case letters the objectives and the material associated with them are easy to identify. Do all the margin exercises. The answers to these are in the back of the text. There are some optional calculator exercises interspersed throughout the text which you may do if you desire, but you will not be allowed to use a calculator until Unit 5. If you wish to use a calculator from Unit 5 on, you must bring one with you, give the answers in the requested form and give answers that are exact (unless your test asks you to round).
7. Due to the opportunity to take multiple versions of the same test, the grading scale is more strict than you might anticipate. Compare your average with the following table for specific information on the grade you may earn.
8. You are also responsible for the information provided in the General Instructions document, available on-line or in the lab.

Grading

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

A	Average of 96% or better	C	Average of 78% or better
A-	Average of 93% or better	C-	Average of 75% or better
B+	Average of 90% or better	D+	Average of 72% or better
B	Average of 87% or better	D	Average of 69% or better
B-	Average of 84% or better	E	Average below 69%
C+	Average of 81% or better		

Testing Information

- ◆ Keep up with the dates on the test schedule. The dates you will go by are determined by the number of credits you have signed up for this quarter and the number of unit exams involved. You should have approximately half of your unit tests done by mid-quarter. Typically one credit involves two unit exams.
- ◆ Before taking your test in the Math Lab, do the Summary and Review or the Chapter Test at the end of the chapter(s) involved. The answers to all these are in the back of your test. The lab test problems are of this nature.
- ◆ The T.A. will grade your exam and answer any questions about how to work a problem if you desire and there is no line of students waiting with exams to be graded. If there is a line and you have questions, your exam will be given to the faculty member on duty.
- ◆ Remember, in order to go on to the next unit you will have to receive a grade of at least 75% before the late penalty (or use up all available forms). If you did not meet this requirement, study your errors. Perhaps do some of the even problems in your area of weakness as further drill. If your score is considerably below 75, do not go on to the next test form without getting some help. If you do not pass any of the three forms, you need to contact the Math Lab Coordinator about your options. Unless you have used up all available forms, you cannot continue to the next unit if your best unit is less than 75 (or 68 if it has been marked late).
- ◆ Ensure you are familiar with these policies and those found in the general Instructions. Any changes will be posted in a prominent place in the Math Lab.
- ◆ Remember: You CAN be successful at Math!