

**Math 060 Course Syllabus
Sandhills Community College
Department of Mathematics**

Course:	MAT 060 Basic Math Skills
Credit Hours:	4
Lecture Hours:	5 per week
Lab Hours:	0 per week
Prerequisite:	MAT 050 or placement
Corequisite:	None
Course Description:	Math 060 is “a comprehensive study of mathematical skills, which should provide a strong mathematical foundation to pursue further study. Topics include principles and applications of decimal, fractions, percents, ratio and proportion, order of operations, geometry, measurement, and elements of algebra and statistics. Upon completion, students should be able to perform basic computations and solve relevant multi-step mathematical problems using technology where appropriate.”(SCC College catalog)
Text: (Subject to change)	<u>BASIC MATHEMATICS THROUGH APPLICATIONS</u> , 3rd edition by Akst and Bragg, Pearson/Addison Wesley, ISBN: 0-321-22817-0.
Goals and Objectives:	<p>When the course is completed, you should be able to model and solve application (word) problems while learning to:</p> <ol style="list-style-type: none"> 1. Add, subtract, multiply, and divide fractions and decimals 2. Utilize the correct order of operations 3. Evaluate powers and roots 4. Convert between fractions, decimals, and percents 5. Express ratio and solve proportions 6. Solve percent problems using the percent equation or the proportion method 7. Use unit analysis within the US system and within the metric system 8. Describe and define lines, angles, and basic geometric figures 9. Calculate the perimeter, area, and volume of basic geometric figures 10. Apply the Pythagorean Theorem 11. Add, subtract, multiply, and divide signed numbers 12. Solve simple linear equations in the form $ax + b = c$ 13. Determine mean, median, and mode 14. Interpret basic statistical graphs 15. Use appropriate technology
General Education:	Students who are successful in this course will improve in the following general education areas: reading, oral communication, mathematical skills, problem solving, critical thinking, and cooperating with others.
Course Requirements:	The text is required, as well as a Sharp Scientific calculator.

Grading Scale:

Grading scale:

92 - 100 = A

84 - 91 = B

76 - 83 = C

70 - 75 = D

Less than 70 = F

You must earn a C or above to go on to Math 070.

You must pass a fraction mastery test to pass Math 060.