

Math 070 Course Syllabus
Sandhills Community College
Department of Mathematics

Course:	Mat 070 Introductory Algebra
Credit Hours:	4
Lecture Hours:	5 per week
Lab Hours:	0 per week
Prerequisite:	MAT 060 with a grade of C or higher; or placement
Corequisite:	Red 080
Course Description:	This course establishes a foundation in algebraic concepts and problem solving. Topics include signed numbers, exponents, and order of operations, simplifying expressions, solving linear equations and inequalities, graphing, formulas, polynomials, factoring, and elements from geometry. Upon completion the student should be able to apply the above concepts in problem solving using appropriate technology.
Text: (Subject to change)	<u>Elementary Algebra for College Students</u> 6th edition , Angel,Allen (2004), Prentice Hall ISBN: 0-13-140023-1
Goals and Objectives:	When the course is completed, the student should be able to model and solve application problems while learning to <ol style="list-style-type: none"> 1. Add, subtract, multiply, and divide real numbers 2. Apply the laws of integer exponents 3. Simplify and evaluate expressions 4. Translate from verbal into numeric, symbolic and graphic forms 5. Solve linear equations and inequalities (numerically, analytically, and graphically) 6. Graph equations in one and two variables 7. Evaluate and solve literal equations 8. Perform basic operations with polynomials 9. Factor by the greatest common factor 10. Factor $ax^2 + bx + c$ 11. Define and describe the relationship among lines, angles, and geometric figures 12. Determine the equation of a line 13. 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:	Sharp Scientific calculator (or similar), notebook, graph paper and ruler for chapter 7, and notepaper for written tests and assignments. Note: The textbook and calculator are available at the SCC Bookstore.

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 (76%) or higher is a requirement for progress to the next math course having MAT 070 as a prerequisite.