

**Math 120 Course Syllabus
Sandhills Community College
Department of Mathematics**

Course:	MAT 120 Geometry and Trigonometry
Credit Hours:	3
Lecture Hours:	2 per week
Lab Hours:	2 per week
Prerequisite:	MAT 070, MAT 080, or MAT 090 with a grade of C or higher or placement
Corequisite:	None
Course Description:	This course introduces the concepts of plane trigonometry and geometry with emphasis on applications to problem solving. Topics include the basic definitions and properties of plane and solid geometry, area and volume, right triangle trigonometry, and oblique triangles. Upon completion, students should be able to solve applied problems both independently and collaboratively using technology.
Text: (Subject to change)	<u>Practical Methods of Measurement: Mathematics for Landscape Gardening</u> , Dawson Carr <u>The Mathematics of Turfgrass Maintenance</u> , 3rd edition, Nick Christians and Michael L. Agnew; John Wiley and Sons, 2000; ISBN:1-57504-147-2
Goals and Objectives:	Students will master the material outlined in the course content. Specific objectives will be handed out at the beginning of each unit.
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
Grading Scale:	Grading scale: 92 - 100 = A 84 - 91 = B 76 - 83 = C 70 - 75 = D Less than 70 = F