

**Virginia State University**  
**School of Engineering, Science and Technology**  
**Department of Mathematics and Computer Science**  
**Course Syllabus: Spring 2009**  
**MATH 121 – College Algebra and Trigonometry II – 3 credits**

**Instructor's Name:** \_\_\_\_\_

**Office Location:** \_\_\_\_\_

**Office Phone:** \_\_\_\_\_

**Email :** \_\_\_\_\_

**Departmental Fax Number: (804) 524-5746**

**Office Hours:** \_\_\_\_\_

**Course Description:** This course is designed for students who plan to pursue college majors in the fields of science and technology, interdisciplinary studies, or business. This course is a pre-calculus mathematics course in trigonometry. Specific topics to be covered include: Right triangle trigonometry; Trigonometric functions of general angles; Properties of trigonometric functions; Graphs of trig functions; Inverse trig functions; Identities; Sum and difference formulas; Trigonometric equations; Solve triangles using Law of Sines and Law of Cosines.

**Course Prerequisite:** Grade of C or better in MATH 120.

**Textbook:** Sullivan, Michael (2008). Algebra and Trigonometry 8<sup>th</sup> edition. Upper Saddle River, New Jersey: Prentice-Hall, Inc.

**Supplemental Materials:** MyMathLab Student Access Kit; Graphing Calculator, TI-83, TI-83 Plus, TI- 84 or TI-84 Plus is required for this course. Each student is expected to have access to his or her own calculator. Calculators with symbolic manipulation capability are not allowed on tests or quizzes. Examples of these are TI-89, TI-92, and HP-48 series.

**Evaluation:** Your grade will be determined by performance on homework assignments, quizzes, tests as well as Midterm and Final Exams in accordance with the following formula:

1. Midterm Grade:  $\frac{1}{3}$  HW +  $\frac{1}{3}$  in-class tests +  $\frac{1}{3}$  Midterm Exam.

2. Final Grade:  $\frac{1}{3}$  Midterm Grade +  $\frac{1}{3}$  post-midterm HW and tests +  $\frac{1}{3}$  Final Exam

All Sections of MATH 121 will take the same Midterm and Final Exams.

The final letter grade based on a 100 point scale will be determined as follows:

90 – 100	A
80 -89	B
70 – 79	C
60 – 69	D
0 – 59	F

**Course Requirements:**

1. Attend class regularly and on time. Do not leave class early without notifying the Instructor in advance.
2. No make-up tests will be given except for verifiable reasons.
3. All Homework assignments should be turned in on the due date, otherwise a late penalty will be applied.
4. The University's policies on specific academic regulations concerning cheating, plagiarism, absenteeism, etc., will be adhered to in this course. These policies are stated in the VSU Undergraduate Catalog and the VSU Student Handbook.

**Students with learning or other disabilities who are covered under the American Disability Act should privately inform the teacher of this fact so that appropriate instructional arrangements can be made.**

**Tutorial Assistance:** The Department of Mathematics and computer Science provides a mathematics tutoring laboratory in Room 7S Hunter McDaniel Building for students who need extra help. The hours of operation will be 9 AM to 6 PM, Monday through Friday. Ms. Eleanor Poarch-Wall is the Coordinator.

**Course Outline**

Textbook: Algebra and Trigonometry 8<sup>th</sup> edition by Michael Sullivan

The following Sections in the Text will be covered: 7.1 – 7.7; 8.1, 8.2 (optional) 8.3 – 8.5; (8.6 optional); 8.7, (8.8 optional); 9.1 – 9.4.

**Midterm exam will cover all of Chapter 7 and in Chapter 8 only 8.1. The Final Exam will cover all the indicated (required) Sections of Chapters 7, 8, 9.**

