

**MATH 1316: Trigonometry**  
**M, W, F: 10:00 – 10:50 am, ACR 205**  
**Fall 2009**

**Instructor:** Dr. Eric Holt, ACR 109B, [eholt@sulross.edu](mailto:eholt@sulross.edu), (432) 837-8344

**Office Hours:** Monday and Wednesday, 1 - 3pm  
Thursday, 9:30 - 10:30am  
Friday, 11am – noon

**Web Page:** <http://faculty.sulross.edu/eholt/1316FA09>

**Blackboard:** <http://blackboard.sulross.edu>

**Required:** Text: Sullivan: *Trigonometry, A Unit Circle Approach*, 8th Edition  
A Scientific Calculator

**Content:** Chapters 1, 2, 3, 4, and portions of chapters 5 and 6.

**Objectives:**

- 1) To develop skills in critical thinking.
- 2) To be able to effectively and efficiently manipulate expressions involving trigonometric functions.
- 3) To be able to recognize, produce, and interpret the graph of a trigonometric function.
- 4) To practice communicating mathematics in various forms.
- 5) To have fun!

**Grading:** The final course grade is computed according to the scale below.

<u>Components</u>		<u>Grading Scale</u>
Homework:	100 pts	630 – 700: A
Quizzes:	100 pts	560 – 629: B
Exam 1:	100 pts	490 – 559: C
Exam 2:	100 pts	420 – 489: D
Exam 3:	100 pts	0 - 419: F
<u>Final Project:</u>	<u>200 pts</u>	
Total Possible:	700 pts	

**Homework:** There are at least ten homework assignments in this course. A list of homework is periodically updated on the web page. Homework is collected and graded, with each assignment worth ten points. Two points are given for completeness. I choose a random set of four problems, and each of these problems will be given a score of zero, one, or two for correctness. Points are lost for sloppy and un-organized work. The goal of this class is to both learn and be able to effectively communicate mathematics.

**Quizzes:** Each Friday there is a quiz, unless an exam is given anytime during the week. Quiz problems are taken from homework assignments due on or before the quiz date and/or lectures before the quiz date. The lowest quiz score is dropped.

**Exams:** There are three exams in this course. Each exam is worth 100 points.

**Project:** Each student displays her or his understanding of trigonometry by completing a final project on some real-life application of material covered. A detailed description of the requirements for this project is handed out sometime before Thanksgiving break. Projects are presented at 10:15am on Monday, Dec. 7.

**Attendance:** Regular class attendance is important to the attainment of the educational objectives of the University. Attendance is expected and necessary for the success of the vast majority of students. A student is dropped from the course if the student has missed a total of nine class sessions.

Make-up quizzes and exams are only given for documented and unavoidable absences. To request a make-up exam or quiz, submit a make-up request form as soon as possible. These forms can be found on the course website and can either be submitted by hand or by email.

**Equal Access:** The university is committed to equal access in compliance with the Americans with Disabilities Act of 1990 (ADA) and section 504 of the Rehabilitation Act of 1973. The ADA Coordinator for Program Accessibility in the office of Counseling and Prevention Services is currently located in the University Center, Room 211. The mailing address is Box C-117, Sul Ross State University, Alpine, Texas 19832. The telephone number is (432)837-8203; fax: (432)837-8046.