# Math 142.001 – PreCalculus
## COURSE SYLLABUS: Fall 2014

**Instructor:** Stuart Anderson
**Office Location:** Binnion-321
**Office Hours:** MW: 3:00 – 5:00 p.m.,
TR: 2:00 – 3:30 p.m.
Others, by appointment.
If you need to see me, do not hesitate to schedule an appointment. If you are having difficulty in the course, please seek help early. I would be glad to help you any time I am available. Occasionally, I will be out of my office for meetings or other obligations during scheduled office hours. I will try to let you know of these times early or will leave a note of explanation. Otherwise, you are welcome in my office.
**Office Phone:** 903-886-5957
**Office Fax:** 903-886-5945
**University Email Address:** stuart.anderson@tamuc.edu

# COURSE INFORMATION

### Textbook:
PRECALCULUS, 6th Edition, by Redlin, Stewart and Watson. ISBN 978-0-8400-6807-1. Parts or all of the following chapters will be covered: 1, 2, 5, 6, 7, 8 and 11. We may occasionally cover enrichment activities not in the text.

## Course Description
Trigonometric functions and their graphs; radian measurement; solution of triangles; identities; logarithmic and exponential functions; trigonometric equations; applications of trigonometry; conic sections and their graphs. Prerequisite: High school geometry and two years of high school algebra or Math 1341.

## Student Learning Outcomes
A student who passes this course will demonstrate through solving problems the ability to apply trigonometry to physical situations and theoretical problems. The student will have demonstrated problem solving ability that includes, but is not limited to, functions, identities, and graphical information. The student will be eligible to enroll in Calculus I.

**CORE OBJECTIVES:**

1) ***Students will be able to analyze, evaluate, or solve problems when given a set of circumstances or data***. This common core objective will be assessed in the tests and final exam.

***2) In written, oral, and/or visual communication, A&M-Commerce students will communicate in a manner appropriate to audience and occasion, with an evident message and organizational structure.*** This common core objective will be assessed using class activities with class discussion of trigonometric identities, graphs and application problems.

3) ***Students will be able understand and utilize mathematical functions and empirical principles and processes.*** This common core objective will be assessed using class activities, homework problems, tests and final exam.

# GRADING

**Tests**: There will be four tests. Each test will be announced at least one week prior to the time it is given. Be careful to invest ample time daily in the course so that you will be prepared for each examination. Tests will count approximately 60% of your final grade.

**Homework**: Homework will be assigned almost every day. It is expected that you try to solve all assigned problems. Homework is important since you can expect the tests to contain problems similar to those assigned as homework. You should always allow a reasonable amount of time to do each assignment. Save your papers to use when studying for tests. Selected problems will be collected and graded on some days. Occasionally, a short quiz may be given in class. The quiz will usually cover the assignment for that day.

The homework and quizzes may count approximately 6% of your final grade.

**Final**: The final exam will be given on Wednesday, December 10, 2014 at 8:00 a.m. The final exam will count at least 30% of your final grade.

**Grading Scale**:

A: 90-100
B: 80-89
C: 70-79
D: 60-69
F: Below 60

# COMMUNICATION AND SUPPORT

Tutoring services up to the level of Calculus I are provided by the Math Skills Center located in Binnion-328. Tentative hours are as follows. (Updated hours will be announced as soon as they are available.)

Monday and Wednesday: 8:00 a.m. – 8:00 p.m.
Tuesday and Thursday: 8:00 a.m. – 6:00 p.m.
Friday: 8:00 a.m. – Noon.

(Updated hours will be announced as soon as they are available.)

# COURSE AND UNIVERSITY PROCEDURES/POLICIES

## Course Specific Procedures

It is expected that you will be regular and punctual in attendance. Attendance will be noted daily.

No late tests will be given. If you miss a test, the final will be used to replace that score. No late homework will be graded and daily quizzes will not be repeated if missed. However, a percentage of the homework and quiz grades will be dropped to cover days when an absence is unavoidable.

Please make certain that any cell phone in your possession never rings in class and is never used during class; do not use any electronic device (other than a stand-alone scientific calculator) during any test; do not leave class early unless prior arrangements have been made with the instructor; do not excuse yourself from class and then return. Failure to comply with these policies can result in a lowering of your grade or expulsion from the course.

Cheating of any kind will result in an F in the course.

It is my hope that no one will want to drop this course. Please keep in mind that the total number of courses dropped for academic reasons during undergraduate studies is limited to six. The last day to drop the course is Thursday, October 30, 2014.

## University Specific Procedures

### ADA Statement

**Students with Disabilities**
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

**Office of Student Disability Resources and Services**
Texas A&M University-Commerce
Gee Library- Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamuc.edu

## Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See *Code of Student Conduct from Student Guide Handbook).*

# COURSE OUTLINE / CALENDAR

Week 1 – Sections 5.1, and 5.2.
Week 2 – Sections 1.7, 1.8, and 1.10.
Week 3 – Sections 2.1 and 2.5.
Week 4 – Section 5.3 and Test 1 – September 17, and section 5.4.
Week 5 – Sections 6.1, 6.2 and 6.3.
Week 6 – Sections 6.4, 6.5, and 6.6.
Week 7 – Review and Test 2 – October 8, Section 7.1.
Week 8 – Sections 7.1 and 7.2.
Week 9 – Sections 7.3, 7.4, and 5.5.
Week 10 – Section 7.5 and Test 3 – October 31.
Week 11 – Sections 8.1, 8.3 and 11.1.
Week 12 – Sections .11.2, 11.3
Week 13 – Sections 11.4 and review
Week 14 – Test 4 – November 26.
Week 15 – Section 11.5 and review.
Final Exam – December 10. (It is possible that some revision of the above dates and material may occur as the semester progresses.)