I. Course: Math142 Pre-Calculus, 3 credit hours

II. 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 1314. Texas Common Course Number MATH 2312)


IV. Course Objectives: Upon successful completion of this course, students will be able to:

1. Demonstrate understanding and knowledge of properties of functions.
2. Recognize and apply algebraic and transcendental functions and solve related equations.
3. Apply graphing techniques to algebraic and transcendental functions.
4. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
5. Prove trigonometric identities.
6. Solve right and oblique triangles.

V. Methods of Evaluation:

You are expected to complete all homework assignments and turn them in the next class day unless otherwise instructed. Tests and the Final Exam will contain problems similar to those assigned as homework or discussed in class.

Grades: The overall course score will be comprised as follows:

Tests: 60% (15% each),  
Homework: 15%  
Final: 25%

Grades will be assigned as follows:

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

Final Exam: Thursday, May 9, 8am – 10am, BIN 301
VI. Other Information

- The information for students with disability: 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, email: StudentDisabilityServices@tamuc.edu

- Basic Tenets of Common Decency: “All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” (Student’s Guide Handbook, Policies and Procedures, Conduct.) This means that rude and/or disruptive behavior will not be tolerated.

- Free tutoring service is provided by the Math Skill Center (Binnion Hall Room 328) with the following hours: M and W, 8am–8pm; T and R, 8am–6pm; and F 8am–3pm.

VII. Student Conduct: Appropriate classroom behavior is required to attend this class. All cell phones must be silent during class (no ringtone and no vibration). Phones are a distraction for students in the class. All people will be treated with respect and I will not allow talking that will disrupt my lectures. If disruptions occur during class lectures, you will be asked to leave class and will earn a zero on any applicable grades for that class period. Serial disrupters will be asked to withdraw from this class.

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See Student’s Guide Handbook, Policies and Procedures, Conduct.) This means that rude and/or disruptive behavior will not be tolerated.

VIII. Academic Integrity:

As stated in the Student Handbook, academic dishonesty in the class will not be tolerated. Included with other forms of academic dishonesty, if any materials or equipment are found to be available to the student at any time which is considered inappropriate by the instructor, the very fact that the materials are inappropriately available to the student is grounds for an accusation of academic dishonesty. The instructor reserves the right to fail the student for the assignment or the course, as well as report the student to the Academic Dean and the Dean of Students. Please make sure you are not in a situation that could be viewed negatively. I have a NO TOLERANCE policy for cheating and if you are caught cheating you will fail this course. Cheating in this course is defined as the following:

- Giving or receiving answers during an exam.
- Viewing the exam answers of nearby classmates.
- Possession or access to test items before the test is given.
- Deception in getting an excused absence to obtain the undeserved opportunity to make up work.
- Use of cell phones or text messaging during exams. You may not use the calculator or any other application on your cell phones.
- Any method, no matter how well rationalized or accepted, which improves a person’s grade by any means other than study and skillful performances on exams and/or other assignments.
By remaining enrolled in this course, you are agreeing to abide by these policies.