Fall 2012 TAMU-Commerce
Math 142 – Pre-Calculus

This is the syllabus for Math 142, Section 004 for the Fall 2012. Please read it carefully. You will be responsible for all information given in the syllabus, and for any modification to it that may be announced in class.

Instructor: Dr. Yelin Ou
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E-mail: Yelin.Ou@tamuc.edu
Office hours: MF: 11:00am-12:00 pm,
TR: 10:00am- 11:00am, 5:00-6:00pm, and by appointment.

Classroom and meetings: Bin 302, TR 11:00am -12:15 pm,

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 141.

Course Objectives: Upon successful completion of this course, the students will be able to understand, evaluate, and graph trigonometric functions and inverse trigonometric functions for real numbers and for angles, they will be able to use trigonometric identities to simply some expressions and do some proofs. They will have skills to solve triangles and some real world problems by using laws of Sines and Cosines. They will also be able to solve some basic trigonometric equations, understand the dot product and cross product of vectors and the geometric meaning and applications of such operations.

Text: Pre-Calculus, Mathematics for Calculus, 6th Edition, by Stewart, Redin & Watson. The material to be covered will include most of chapter 1 (focusing on 1.1, 1.2, and 1.7-1.9 – the rest should be reviewed), 5.1-5.4, 6.1-6.5, 7.1-7.5, and 9.1-9.5, along with other material as time allows.

Calculator Policy: A graphing calculator is necessary for this course. A TI 83 calculator is recommended. But a TI 82 or TI 83 Plus is also acceptable.

Lectures: You are expected to attend all the lectures and are responsible for all the information given out during them. This includes any changes in the dates of exams, grading policies, homework, etc. **Attendance will be checked** and it is to your benefit to attend class.

Tests: There are three midterm tests and a final examination for this course. The tentative schedule for the tests are:

Test 1: Sept. 20, Thursday, 11:00am-12:15pm
Test 2: Oct. 18, Thursday, 11:00am-12:15pm
Test 3: Nov. 15, Thursday, 11:00am-12:15pm

Final exam: The Final exam will be a comprehensive exam and is scheduled on **December 11, 10:30am – 12:30pm**.

No makeup exam will be given. If you miss one exam with evidence showing that you have an acceptable reason for that, the average of your other two test grades will be used as the grade of your missed exam grade. This provision will only be applied to ONE test, so students should make every effort to be present and well-prepared for all exams.

Homework & Quizzes: Homework will be assigned every class period and you are strongly recommended to work out homework assignments on a regular basis since **No one can learn mathematics without doing it**! The assigned homework problems will be collected to grade in 4 times (Sept. 13, Oct.11, Nov. 8, and Dec. 6). Some homework problems or their similar forms will be used as test questions.

Course grades: The course grade consists of

Homework & Quizzes: 15%
Three Tests : 60%
Final exam: 25%.

The letter grades will be assigned using the following scale:

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

Withdrawal Policy: Concerning the deadlines and consequences of withdrawals please check on: http://web.tamu-commerce.edu/admissions/registrar/academicCalendars/20122013academiccalendar.pdf

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/ Gee Library
Room 132 . Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148, and
Web: 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.

Academic Integrity: I have a **NO TOLERENCE** policy for cheating and if you are caught cheating you will fail this course.

Cheating in this course includes the following:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of nearby classmates.
- Having notes/practice work available during quizzes or tests.
- 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 technology during exams or quizzes. **You may not use the calculator on your cell phones.**
- Improper citations in written works, or using another person's ideas and words as your own without giving proper credit.
- **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.

Students found guilty of an act of academic dishonesty in this course will be subject to receiving an "F" in this course.

Classroom Behavior: All cell phones must be put on silent during class. Phones are a distraction for me and the other 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 my class.

Getting help: A better way to learn math is to keep progress and leave no gaps in one's study. So please get help as soon as you need it and do not wait until it is too late. You are welcome to come to me or go to Math Skills Center located in Binnion Hall 328 where you can find free tutors for help. The tutoring hours of Math Skills Center for the current semester are:

MW: 8am – 8pm, TR: 8am – 6pm, and F: 8am – 3pm.