

Texas A&M University—Commerce/Melissa High School
MATH 142/Dual Credit Precalculus
Spring 2015

Instructor: Jeffrey Clouse

Text: Precalculus, 6th Edition, by Redlin, Stewart and Watson. ISBN 978-0-8400-6807-1. Parts or all of the following chapters will be covered: 5, 6, 7, 8, 11 and 13.

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.

Homework: Homework will be due weekly. It is expected that you try to solve all required 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. Recommended Exercises will not be collected. *Homework will count for 15% of your final grade.*

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 for 60% of your final grade.*

Final Exam: *The final exam is comprehensive and will count for 25% of your final grade.* The final exam score may be used to replace the lowest test score.

Late work: Late homework will be assigned a late grade or a zero, depending on the extent of the lateness. The lowest homework grade for the semester will be dropped.

Grading Scale:

A: 90-100

B: 80-89

C: 70-79

D: 60-69

F: Below 60

Services: Tutoring services up to the level of Calculus I are provided by the Math Skills Center (Binnion-328) with the following hours. 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.

Most students in Math 142 find it helpful to use a graphing calculator. The Mathematics Department has a Calculator Loan Program that allows you to borrow a TI-83/84 for a semester fee of \$10.

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