

**MATHEMATICS 142.001 MWF 8:00-8:50 Spring 2018**

Call #20653

**TEXT: PRECALCULUS, 7th Edition (2016)**

ISBN 978-1-305-07175-9

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**Technology Required: At least a scientific calculator. A graphing calculator equivalent to a TI 84 would be best, but nothing more sophisticated than that.**

**INSTRUCTOR: Mr. Heath, Binnion 311, Phone 886-5946 or 886-5157 (Sec.)**

**e-mail: john.heath@tamuc.edu**

**FAX#: (903)886-5945**

**TESTS: Material to be covered will be Sections 1.8, 1.9, 1.10 , 6.1-6.6, 7.1-7.3, 5.3, 5.4, 7.4-7.5, 8.3 and 11.1-11.5. Four tests will occur , the first in the fourth week , then about every three weeks thereafter. The Final will be comprehensive. It will be given at the time listed in the Final Exam Schedule. Make-up tests will be given only in the case of an excused absence.**

**GRADING: A 90-100**

**B 80-89**

**C 70-79**

**D 60-69**

**F below 60**

**GENERAL COMMENTS: The four tests you take will comprise 60% of your grade, the Final 30%, and the homework 10%.**

**For example, Sam gets 75, 70, 88, and 83 on his four tests, and his homework average is 92%, and his Final Exam Grade is 69. His final course grade would be...[ 79(test average) x 60%] + [92 x 10%] +[69x30%]= 47.4+ 9.2 + 20.7=77.3, a course grade of C. (If the Final test grade is higher than any of your four regular test grades, it will be substituted for the lowest of those before I average those four tests). The FINAL still counts 30%.**

**You can expect the tests and Final to contain problems similar to those assigned as homework or discussed in class.**

**My office hours will be 3:00-5:00 MTWR. I hope you will make use of these to confer with me should you encounter problems or difficulties.**

**The Math Lab is usually available during class days.**

**It is staffed by personnel who are qualified to help students with precalculus. I will give you some specific hours on this lab as soon as I can. It is located in Binnion 328.**

**It is expected that you will be regular and punctual in your attendance.**

#### **STUDENT LEARNING OUTCOMES:**

**Students will understand the basic algebraic concepts of inequalities, conics, and formulas for lines. They will comprehend and use the six trigonometric functions to include identities , graphing, problem solving, radians, Law of Sines, Law of Cosines, and DeMoivre's Theorem.**

**Requests for students with disabilities for reasonable accommodations must go through the Academic Support Committee. For more information, please contact the Office of Student Disability Resources & Services, Gee Library, Room 162, (903) 886-5835 or 5150.**

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)

Nondiscrimination notice: A&M–Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

### **Areas of Core Curriculum-----**

**Critical Thinking: Students will be able to analyze, evaluate, or solve problems when given a set of circumstances or data.**

This common core learning objective will be assessed on the tests using key questions that will exhibit critical thinking.

**Communications: 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 learning objective will be assessed using class discussions and verbal quizzes on homework assignments.

**Empirical and Quantitative Skills: Students will be able to understand and utilize mathematical functions and empirical principles and processes.**

This common core learning objective will be assessed using regular tests in class and the Final Exam.

- Campus Concealed Carry: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to (<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>) and/or consult your event organizer). Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

### **Weekly Schedule**

**1....1.7, 1.8**

**11... 7.4, 7.5**

2....1.10,6.1,  
3.. 6.2, 6.3  
4....Test I, 5.3  
5...5.4, 6.4  
6.. 6.5, 6.6  
7....Test II  
8....7.1, 7.2  
9....7.3,  
10...Test III

12...8.3, 11.1  
13... 11.2, 11.3  
14...11.4, Test IV  
15...Review  
16...Final

HOPE YOU ENJOY THE COURSE !