MATH 2312.002 – Pre-Calculus

MWF 9:00 a.m. – 9:50 a.m. Binnion - 330
COURSE SYLLABUS: SPRING 2019

INSTRUCTOR INFORMATION

Instructor: George Swindell, Adjunct
Office Location: Education North 221
Office Hours: MWF: 10 a.m. – 1 p.m. and/or by appointment.
Office Phone: 903-468-3322
Office Fax: 903-886-5945
University Email Address: george.swindell@tamuc.edu
Preferred Form of Communication**: email**
Communication Response Time: typically within one business day

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook: *Precalculus*, 7th Edition, by Redlin, Stewart and Watson. Parts or all of the following chapters will be covered: 1, 2, 5, 6, 7, 8, and 11. We may occasionally cover other activities or projects not in the text. ISBN 9781305071759

Technology Requirements: The graphing calculator of TI 83/TI 84 or equivalent will be highly recommended. Calculators other than Texas Instruments calculators may be used but classroom instruction on calculators will be given for TI equipment only. **Note: Calculators that solve problems for students, including but not limited to TI-Nspire, TI 89 or higher, Casio Prizm, Casio Touch or higher are NOT allowed to be used for this class.**

Course Description

Trigonometric functions and their graphs; radian measurement; solution of triangles; identities; logarithmic and exponential functions; trigonometric equations; applications of trigonometry;

The *syllabus/schedule are subject to change.*

conic sections and their graphs. Prerequisite: High school geometry and two years of high school algebra or Math 1314.

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:

- **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 final exam using key questions that will fulfill these objectives.
- **Communications:** In written, oral, and/or visual communication, Texas A&M University - 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 activities or projects which involve class discussion.
- **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 in class discussion and projects, homework, and final exams.

COURSE REQUIREMENTS

Instructional Methods

Instruction: Instruction will include lectures, demonstrations and models, and some group work based on time available.

Homework: Homework will be assigned almost every class period. The homework is a must for success in this class. No late woek will be accepted without prior approval/university excused absence.

Student Responsibilities or Tips for Success in the Course

Students need to check their e-mail regularly with the address that they have provided to the instructor for class announcements.

It is important that students are actively engaged in class activities. Questions are welcome in the classroom. Students are welcome to schedule with instructors for extra help outside classroom during office hours**.**

Calculator Loan Program: The Mathematics Department has set up a calculator loan program to support students. Students can borrow a calculator for a semester with a fee ($10 to $15 for TI-83/84).

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It is first come, first served basis.

Tutoring: The following services are available for students seeking tutoring help:

- The **Math Skills Center**, located in Binnion 328, open **Monday and Wednesday from 8am – 8pm, Tuesday and Thursday from 8am – 6pm, and Friday from 8am – 12pm,** offers free tutoring help.
- The **Academic Success Center** also offers supplemental instruction/tutoring for students and their hours can be found on the university web site.
- The **Mach III/TRIO Program** is available for students who qualify for additional resources, such as private tutoring. In order to qualify, students must meet certain conditions, such as being a first-generation college student. For more information, contact TRIO at 903-886-5833 or in the Halladay Student Services building, Room 300.
- **Supplemental instruction** (SI) tutoring sessions will be given according to a schedule posted by your instructor.

GRADING

Daily Grade (Attendance, Homework, Tutoring, Quizzes, and Projects)	15 %
Exams	60 %
Final Exam	25 %

Final grades in this course will be based on the following scale:

A = 90%-100%
B = 80%-89%
C = 70%-79%
D = 60%-69%
F = 59% or Below

Assessments

Quizzes: Quizzes will be given in class periodically. **No make-up quizzes will be given**. Be sure to attend all classes so you do not miss any quizzes.

Class Activities/Projects: Application problems with class discussion over related to course materials will be assigned during the semester. Be sure to attend all classes in order to participate in the class activities with class discussion.

Exams: There are four scheduled exams. An in class review and a set of review questions will be provided prior to each exam. Partial credit may be given on exams IF all work is neatly shown. **CELL PHONES AND OTHER ELECTRONIC DEVICES MUST BE TURNED OFF AND STORED OUT OF THE STUDENT'S REACH.** The only electronic device allowed during tests and quizzes is a stand-alone calculator (such as a TI-34, TI-83, TI-84, etc.),

and only with the instructor's permission. Calculators might not be allowed on all exams. No make up exams will be given without prior approval/university excused absence.

* University Authorized Excuses: 1) Participation in a required/authorized university activity; 2) Verified illness; 3) Death in a student's immediate family; 4) Obligation of a student at legal proceedings in fulfilling responsibility as a citizen; and others determined by individual faculty to be excusable (e.g., elective University activities, etc.)

These test dates are tentative and are subject to change:

Test 1	**2/8**
Test 2	**3/8**
Test 3	**4/5**
Test 4	**4/25**

Final Exam: The final exam will be a departmental, comprehensive exam. All students will take the exam at the same time on **Wednesday, May 8th, at 8:00am – 10:00am.** Please note that this is an unusual time and make your arrangements to be present.

* NO MAKE-UP FINAL EXAM WILL BE ALLOWED!!! *

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:
https://community.brightspace.com/s/article/Brightspace-Platform-Requirements

LMS Browser Support:
https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:
https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements

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ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu**.**

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor. If you need to see me, do not hesitate to come by my office during my office hours or schedule an appointment. If you are having difficulty in the course, please reach out early. I will always be happy to help anytime I am available. If I am in my office, you are always welcome to come by with questions.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

https://community.brightspace.com/support/s/contactsupport

Interaction with Instructor Statement

Emails will typically be responded to within one business day.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Attendance: Attendance will be taken each class. Students need to actively participate in class to receive credits. **Attendance is a must to be able to do well in this class**. It is expected that students follow the guidelines set forth by the Class Attendance Policy in the current Undergraduate Catalog.

If students represent an athletic team for this university, departmental team, scholastic team, choir, or other group and must miss class, notify me in writing with the appropriate documentation within one week of the absence in order not to be counted absent. Arrangements for make-up work will be made at that time.

Late work will not be accepted unless prior approval has been given by the instructor.

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No make-up exams will be given without prior notice of a university excused absence*. We realize that at times throughout the semester, emergency situations may arise that affect a student's performance on an exam or even prevent a student from attending on an exam day. **I can replace the lowest exam grade with the student's grade on the final exam, provided the final exam score is higher.** This provision will only be applied to **ONE** exam, so students should make every effort to be present and well-prepared for all exams.

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.
http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:
https://www.britannica.com/topic/netiquette

TAMUC Attendance

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01.
http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf

Graduate Student Academic Dishonesty 13.99.99.R0.10

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http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf

Students with Disabilities-- ADA Statement

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 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu
Website: Office of Student Disability Resources and Services
http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/

Nondiscrimination Notice

Texas A&M University-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.

Campus Concealed Carry Statement

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 the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web url:
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf

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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.

COURSE OUTLINE / CALENDAR

Jan 14, 16, 17 –Review Chapter 1

Jan 21, 23, 25 –Review Chapter 2

Jan 21, 30, Feb 1 –5.1 and 5.2

Feb 4, 6, 8 –Review and Exam 1

Feb 11, 13, 15 –5.3 and 5.4

Feb 18, 20, 22 –6.1, 6.2, and 6.3

Feb 25, 27, Mar 1 –6.4, 6.5, and 6.6

Mar 4, 6, 8 –Review and Exam 2

Mar 11, 13, 15 –7.1 and 7.2

Mar 18, 20, 22 – SPRING BREAK

Mar 25, 27, 29 –7.3, 7.4, and 7.5

Apr 1, 3, 5 –Review and Exam 3

Apr 8, 10, 12 –8.1,8.2, and 8.3

Apr 15, 17, 19 –11.1, 11.2, and 11.3

Apr 22, 24, 25 – 11.4, Review, and Exam 4

Apr 29, May 1, 3 – Review for Final

May 8th –Final Exam (See Exam Schedule online or Final exam schedule above)

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