



# A&M-COMMERCE

To access COVID-19 information, please visit the [Stay Healthy Lions Webpage](#).

## **MATH 1332, Contemporary Mathematics** **COURSE SYLLABUS**

### **INSTRUCTOR INFORMATION**

Instructor: George Swindell, MS  
Office Location: Welcome Center 157D  
Office Hours: Email or Telephone or Virtual by Appointment  
Office Phone: 903-468-3322  
University Email Address: [George.Swindell@tamuc.edu](mailto:George.Swindell@tamuc.edu)  
Preferred Form of Communication: **email**  
Communication Response Time: within 24 hours

### **COURSE INFORMATION**

#### **Materials**

This course has been designed using Open Educational Resources (OER). All materials are embedded within the course and are accessible via the internet. After taking the pretest, students are encouraged to bookmark, download, or save materials provided via the internet for use during quizzes, assignments, and projects in this class.

### **COURSE DESCRIPTION**

Intended for Non STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered. Prerequisites: TSI completion.

This course is broken up into 5 competencies. Each competency covers a different topic: Logic, Sets, Finance, Probability, and Statistics.

### **STUDENT LEARNING OUTCOMES**

Completion of this course provides the student with the knowledge to:

1. Determine the validity of an argument or statement and provide mathematical evidence.
2. Apply the language and notation of sets.
3. Solve problems in mathematics of finance
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.

#### Additional competencies throughout course:

6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings.

7. Critical thinking - Students will be able to analyze, evaluate, or solve problems when given a set of circumstances, data, texts, or art.
8. Communication - 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.
9. Empirical and Quantitative Skills - Students will be able to interpret, test, and demonstrate principles revealed in empirical data and/or observable facts.

### **REGULAR AND SUBSTANTIVE COURSE INTERACTION**

As a general guide, students enrolled in a three semester hour course should spend one hour engaged in instructional activities and two to three hours on out-of-class work per week in a traditional semester. Students are expected to double this effort of engagement given that this course is being delivered in a seven-week term. Educational activities in this course are designed to ensure regular and substantive interaction between students and faculty to ensure that students are able to demonstrate competency.

### **COURSE REQUIREMENTS**

**Minimal Technical Skills Needed:** Students will need reliable computer and internet access for this course. Students must be able to effectively use myLeo email, myLeo Online D2L, and Microsoft Office.

**Instructional Methods:** This course is an online course. To be successful in this course, all content and course modules should be read and reviewed. All assignments and quizzes (both graded and not graded) must be completed. Please contact the instructor by email for any assistance.

Email your instructor as soon as you complete your pre-test so the instructor can access and grade your work.

**Student Responsibilities or Tips for Success in the Course:** To be successful in this course, all content and course modules should be read and reviewed. All assignments and quizzes (both graded and not graded) should be completed. Please contact the instructor by email for any assistance.

### **ASSESSMENT**

#### **Pretest and Posttest for Each Module**

The purpose of the pretests is to provide a baseline understanding of your knowledge in each module.

The Posttests are an assessment of your knowledge of the material required for the module. A score of 80% or higher is required on the Posttest to demonstrate competency. If you score less than 80% on any module you will have an opportunity to review the material and re-take the module Posttest. You will have up to three attempts at passing each competency. If you have not passed the module in three attempts, you will receive a letter grade of an F. In order to demonstrate competency, a score of 80% or higher is required.

All posttests have password requirements to enter. If you have not emailed to notify you have submitted your pretest and do not have a password, please review your feedback on the pretests. If you still do not find your needed password please email me.

### **Project**

You will also have a project in this course. The project will be based on expanding your knowledge and applying the information you have learned in a more application based setting. A score of 80% or higher is required.

## Final Grade Calculation

The final grade will be assigned by taking the average of the five passing posttests and the grade of the project.

## GRADING

A score of 80% or higher on the Course Project and a Posttest in each of the five modules is required to demonstrate competency and receive credit for the course. The following items will be used to calculate the final grade in the course.

Item	Worth
Module 1 - Posttest	100 points
Module 2 - Posttest	100 points
Module 3 - Posttest	100 points
Module 4 - Posttest	100 points
Module 5 - Posttest	100 points
Project	100 points
<b>Total</b>	<b>600 points</b>

### Grading Scale

A = > 540 points (90%-100%)

B = 480 – 539 points (80%-89%)

F = < 479 points (79% or Below)

## 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 the technical requirements

Learning Management System (LMS) Requirements:

View the [Learning Management System Requirements Webpage](#).

LMS Browser Support:

Learn more on the [LMS Browser Support Webpage](#).

YouSeeU Virtual Classroom Requirements:

Visit the [Virtual Classroom Requirements Webpage](#).

## 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](mailto: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.

### **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 on the [Brightspace Support Webpage](#).

### **Interaction with Instructor Statement**

This is an online course; therefore, expect most communication to be online as well. Correspondence will always be through university email (your “myLeo” mail) and announcements in myLeo online (D2L). The instructor will make every effort to respond to emails within 24 provided the correspondence follows the requirements listed below. Students are encouraged to check university email daily.

**All emails from students should include:**

- **Course name and subject in the subject line (ex. ORGL 3322 – Posttest)**
- **Salutation**
- **Proper email etiquette (no “text” emails – use proper grammar and punctuation)**
- **Student name and CWID after the body of the email**

## **COURSE AND UNIVERSITY PROCEDURES/POLICIES**

### **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.

### **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 online in the [Student Guidebook](#).

Students should also consult the [Rules of Netiquette Webpage](#) for more information regarding how to interact with students in an online forum.

### **TAMUC Attendance**

For more information about the attendance policy, please view the [Attendance Webpage](#) and the [Class Attendance Policy](#)

### **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 Policy](#)  
[Undergraduate Student Academic Dishonesty Form](#)

### **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

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Office of Student Disability Resources and Services](#)

### **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.

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.

## **A&M-Commerce Supports Students' Mental Health**

### **Counseling Services**

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit [www.tamuc.edu/counsel](http://www.tamuc.edu/counsel).

### **COURSE OUTLINE / CALENDAR**

<b>Week</b>	<b>Learning Objectives and Competencies</b>	<b>Assignments</b>
Week 1	LO1: Logic and reasoning	Complete the Pretest. Read the material for the module. Complete the module practice exercises.

Week	Learning Objectives and Competencies	Assignments
		(recommended) Complete the Posttest.
Week 2	LO2: Set Theory	Complete the Pretest. Read the material for the module. Complete the module practice exercises. (recommended) Complete the Posttest.
Week 3	LO3: Finance	Complete the Pretest. Read the material for the module. Complete the module practice exercises. (recommended) Complete the Posttest. Work on the course project.
Week 4	LO4: Probability	Complete the Pretest. Read the material for the module. Complete the module practice exercises. (recommended) Complete the Posttest.
Week 5	LO5: Statistics	Complete the Pretest. Read the material for the module. Complete the module practice exercises. (recommended) Complete the Posttest.
Week 6	Course project	Complete course project – based on module 3
Week 7	Wrap up	Ensure all modules and project have been completed with an 80% or higher.