



**Math 453 01W,**

**ESSENTIALS OF**

**STATISTICS**

COURSE SYLLABUS: Spring 2020

**INSTRUCTOR INFORMATION**

Instructor: Dr. Brenda Reed

Office Location: WCB 110 (on the Corsicana Campus)

Office Hours: M, W 10 – 12:30 and 10 – 11 T, TH

Office Phone: 903-875-7515

Office Fax: 903-875-7523

University Email Address: [Brenda.reed@navarrocollege.edu](mailto:Brenda.reed@navarrocollege.edu)

Preferred Form of Communication: **email**

Communication Response Time: 24 hours during work week

**COURSE INFORMATION**

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required: None

Software Required: Access code for My Stat Lab (Pearson) and a graphing calculator (TI-83 or 84 is preferred)

Optional Texts and/or Materials: optional text is Elementary Statistics by Larson in the 9<sup>th</sup> edition ISBN# 9780134685205

**Course Description**

*The syllabus/schedule are subject to change.*

**Essentials of Statistics.** Three semester hours. Techniques of statistical applications concerning descriptive statistics, tests of hypothesis, regression and analysis of variance. Prerequisite: College Algebra

## **Student Learning Outcomes**

**Upon successful completion of this course, students will:**

1. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
2. Recognize, examine and interpret the basic principles of describing and presenting data.
3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
4. Explain the role of probability in statistics.
5. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
6. Describe and compute confidence intervals.
7. Solve linear regression and correlation problems.
8. Perform hypothesis testing using statistical methods.

## **COURSE REQUIREMENTS**

### **Minimal Technical Skills Needed**

Students need to check their e-mail regularly with the address that they have provided to the instructor for class announcements. Access to MyStatLab, a computer, and the internet will be needed for online homework assignments. Students will be required to know how to use their graphing calculator (A TI-83 or 84) on exams.

**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). It is first come, first served basis.

### **Instructional Methods**

You will be expected to read the text, watch a video, and complete homework problems in MyStatLab for each section covered. This is how you learn the content. You have three attempts at each homework assignment if you wish to use them to raise your grade. Multiple sections will be due on the same day. In addition, quizzes over multiple sections will be administered online.

### **Student Responsibilities or Tips for Success in the Course**

You are expected to regularly log into the course and pace yourself throughout the week in order to have all weekly assignments done on time. Assignments completed

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after the due date will incur a 15% penalty. On average, you should spend about 6 – 9 hours per week working on this course in order to be successful.

\*\*\*Students are required to complete homework using MyStatLab software.\*\*\*

Homework is due by the posted dates in D2L and in MyStatLab. It is extremely important for you to work ALL homework in order to be prepared for the exams. If you are not keeping up with the work in the course, it will most likely be obvious in your homework and test grades.

If a student experiences any technical difficulties with MyStatLab, be sure to use the online help and technical support from the software company. If a student continues to have trouble accessing or navigating the software, please contact instructor through email or come by his/her office during office hours for some individual help.

The Math Skills Center, located in Binnion 328, is open Monday and Wednesday from 8am – 8pm, Tuesday and Thursday from 8am – 6pm, and Friday from 8am – 12pm. Free tutoring is available for students who need help with their math courses. In addition, the Academic Success Center also offers supplemental instruction/tutoring for students and their hours can be found at 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.

## **GRADING**

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

The assigned readings and videos will comprise 10% of your average.

Section homework assignments comprise 20% of your average.

Chapter quizzes (taken online) comprise 20% of your average.

The midterm exam is 25% of your average.

The final exam is 25% of your average.

## **Assessments**

There will be a midterm exam and a final exam. The two exams will be HAND-WRITTEN and must be taken on campus at the Academic Testing Center in Binnion 328 in Commerce, TX or at the nearest approved testing center, if you live far from

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Commerce. You will have 2 hours for each exam. You will be responsible for scheduling a time with me to test in the Academic Testing Center (ATC) or scheduling a time directly with the nearest approved testing center (you must send information to me for approval during the first week of class). The operating hours for the ATC are Monday through Thursday 10 a.m. to 6 p.m. and Friday 10 a.m. to 3 p.m. When it is time for each of the two exams, I will tell you the “week” in which you must take the exam. You pick the day and time, email me (for the ATC) or call your approved testing center to set up your time, and then show up to take the test on paper at the testing center with your photo ID card. Please make sure you note testing center closing times to be sure you have 2 hours for the exam.

## 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](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>

## 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.

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## **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 here:

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

### **Interaction with Instructor Statement**

It is important that students are actively engaged in all assignments. Questions are welcome by emailing the instructor and will be answered within 24 hours during the work week. In addition, you are welcome to stop by during office hours.

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

### **Course Specific Procedures/Policies**

Any late work will be subject to a 15% penalty. Exams not taken by the due date will result in a zero.

### **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>

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## **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](#)

<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](mailto: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

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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>

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**

Please see the weekly schedule on D2L for all due dates.

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