



TEXAS A&M UNIVERSITY
SAN ANTONIO

QMBS 3360.001 Business Statistics II, CRN 22912, Spring 2025
Department of Accounting and Finance, College of Business

Course Syllabus

Class Meeting Time and Place: Tuesday & Thursday 5:30 – 6:45
CAB 219

Instructor: Dr. Amy C. Lewis
Office: Business Library Hall 341 B
Tel: 210-784-2306
E-Mail: Amy.Lewis@tamusa.edu
Student emails will receive a reply within one business day.

Course Website: <https://tamusa.blackboard.com/>

Office Hours: Tues/Thurs 3:00 – 4:20 PM in person BLH 341B
and by appointment either zoom or in person. Please email to set an appointment

Catalog Course Description: This course is a continuation of Business Statistics I. This series explores descriptive and inferential statistical techniques for business and economic decision making. Building on the concepts and application learned in QMBS 2305, this course focuses on the statistical concepts including, but not limited to, hypothesis testing, goodness-of-fit, tests of independence, analysis of variance (ANOVA), linear and multiple regression, and time series. TSI Restriction(s): Reading, Math, and Writing

Prerequisites: QMBS 2305 with a grade of C or better.

Student Learning Outcomes: After successful completion of this course, students will be able to:

1. effectively describe the results of various statistical analysis
2. develop and test hypothesis
3. apply analysis of variance
4. apply goodness-of-fit and tests of independence analysis
5. apply correlations and regression
6. forecast through time-series

AACSB Assessment:

The College of Business is in the process of maintaining its AACSB accreditation. As part of that process, students will be assessed on program level outcomes based on course outcomes from various courses. The materials from this course may be used for assessing such program level outcomes, and hence students must follow the necessary rigor to ensure mastery of the above course outcomes.

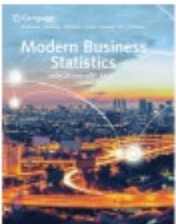
Required Materials:


- Textbook **Modern Business Statistics with Microsoft Excel, 7th Ed., Anderson et al. Cengage**

If you are using Cengage unlimited for another course this semester or you have a 1 year subscription from the fall, you may prefer to use **Cengage Unlimited**. It provides unlimited access to Cengage materials, including **e-books and platforms** MindTap. So, if you already purchased Cengage Unlimited from other courses for this semester, you don't need to repurchase it. I will not be requiring you to use MindTap for this section, but if you have access you are welcome to use the practice problems and self test materials if you found them useful in your prior course.

OPTIONAL MindTap: Ungraded Practice problems and supplemental materials are administered through MindTap. **Please contact the instructor if you want instructions for accessing mindtap**

QMBS 3360 Tues Thurs



Course Key: MTPNW2P5GVLT 

Primary Instructor: Amy Lewis
Section Dates: 1/21/2025 - 5/20/2025

[EDIT SECTION](#) | [DELETE SECTION](#)

<https://student.cengage.com/course-link/MTPNW2P5GVLT>

MindTap Course key: MTPNW2P5GVLT

- **Calculator:** A statistical or financial calculator will be helpful (example: TI 36x). Please make sure to review the manual for your specific calculator. **Please note that on exams and quizzes you may not use your phone as a calculator.**
- **Blackboard:** Connect to <http://tamusa.blackboard.com>. You will have lecture notes, solutions to problems, multimedia materials and other supplementary materials in Blackboard. All class communications will be through Blackboard and students should monitor this daily.
- **Software:** You may be required to use Microsoft Excel. This product is available in the computer labs on campus. You will also be able to download the installation software from the Microsoft software center. You will receive your login name and password at your Jaguar email address.
- **Time:** You are expected to spend 4-8 hours per week for the course. Based on the background, some student may require more time. Time spent may be longer when assignment/exams are due.

Other Recommended / Reading Materials: Additional reading materials are available on the course blackboard page as recommended by the instructor.

Course Requirements every student must fulfill in order to succeed in course:

1. Students should check the Course Calendar, Announcements, and Messages (e-mail) systems in Blackboard on a regular basis.
2. Students should keep current with all course assignments, quizzes, and examinations.

- Exams will be administered in class. Makeup exams will only be allowed for legitimate, pre-approved reasons or in case of health or other excused and documented emergencies. Please contact the instructor ASAP by email at amy.lewis@tamusa.edu in case of emergency.
- Students should ask questions and communicate with the instructor either in class, online, off-line or during office hours.
- Students must complete all work independently and disclose the use of any assistance through sources such as AI.

Grading Policy: The final course grade will be based on your performance on the quizzes, exams, assignments and class participation using the following weights:

Assessments	Total Points	Contribution to Final Grade
Homework (5)	100	10%
In class quizzes (3)	150	15%
Exam One	250	25%
Exam Two	250	25%
<u>Exam Three (final)</u>	<u>250</u>	<u>25%</u>
Total	1000	100%

The final letter grades will be assigned as follows: Above 90% ⇒ A; 80 – 89% ⇒ B; 70 – 79% ⇒ C; 60 – 69% ⇒ D; Below 60% ⇒ F.

Examinations: There will be three mandatory examinations. Being absent for an exam will result in a grade of zero for that exam and may result in a failing grade in the course. The exams will consist of conceptual multiple-choice questions and problem solving questions. The exam materials will come from lecture notes, the text, and class discussions. Questions will emphasize understanding and applications of concepts and topics covered in class.

All exams will be paper and pencil exams delivered in class. You will have 1 hour to complete the exam. You will be allowed to use a hand calculator (phones are not permitted as calculators for the exams) and one letter-sized page of your own handwritten notes for the exams. All exams will be completed independently.

Exam dates:

Exam 1—Thursday Feb 20

Exam 2—Thursday April 3

Exam 3 (final)—TBA per final exam schedule

Homework assignments: There will be 5 homework assignments throughout the semester. Homework will be submitted as a hard copy at the start of class on the day it is due.

Quizzes: There will be 3 in class quizzes. These will be open book/note, but must be completed independently. Quizzes will cover textbook and class material and will focus on calculation and interpretation.

Late policy: Late work will be accepted within 1 week of the due date with a 10% penalty. The instructor will waive the late penalty for excused absences such as illness or for pre-approved absences. Please email your instructor ASAP if you know you will need to submit late work.

Class conduct and civility code: Everyone in class is expected to follow all rules in the student handbook, as well as common courtesy during classroom lectures and discussions in class and online, including the following:

1. Students are expected to be in class on time and to remain until the end of the class.
2. Attendance may be taken at the beginning or the end of the class.
3. It is the students' responsibility to obtain and be able to use the required materials and software for this class.
4. Student must retain copies of all assignments and graded work for verification purposes. Keep copies of all computer files and e-mails.
5. Talking while the instructor is lecturing is extremely disruptive and discourteous to the instructor and other students.
6. Using computers or phones (except for a valid urgent need) during class for a purpose not related to class is disruptive. All cell phones and gadgets should be turned off and headphones removed.
7. For any questions about the exams and assignments, a student should contact the instructor, before the day they are due, so the instructor may have enough time to provide feedback.
8. All communications will be via e-mail communications to the Texas A&M University e-mail account, and students are expected to use their school provided email account. The instructor will reply to a student e-mail messages and voice messages within 48 hours during weekdays (Monday-Friday).
9. All assignment submissions must be uploaded to Blackboard by the due date and time.

Anyone violating these policies may be subject to disciplinary actions.

Class attendance and Participation: A vital part of every student's education is regular attendance of class meetings. Any absences tend to lower the quality of a student's work, and frequent or persistent absences may result in a failing grade. Students are responsible for the materials covered in class. The course covers a lot of material and most students find at least some parts of it difficult. Class participation is highly encouraged as it makes the class more interesting and enhances the learning experience. Students are strongly encouraged to ask questions, participate in class discussions and problem solving, and visit/contact the instructor during office hours in case of questions or concerns.

The course is intensive and challenging and you are expected to master the materials presented in class. The structure of the class makes your individual study and preparation outside of class extremely important, and may vary considerably based on student background. However, a **minimum** of two hours of work outside the class is expected for every one hour of class per week

Academic Integrity sanctions: incidents of academic misconduct such as cheating will result in a minimum sanction of a 0 on the assignment/exam. All cases of suspected academic misconduct will be reported to the office of student rights and responsibilities.

University Email Policy and Course Communications: All correspondence between professors and students must occur via TAMUSA email accounts or Blackboard. You must have your Jaguar email account ready and working. If it is not working, contact the help desk at 210-784-4357.

Spring 2025 tentative Class Schedule The provisions and information set forth in the schedule below are intended to be informational and not contractual in nature. The instructor reserves the right to amend, alter, change, delete or modify the provisions of the schedule.

Week	Tuesday Class	Thursday Class	Chapter	Topic	Due In person
1	21-Jan-25	23-Jan-25	n/a	Course Introduction and review of key concepts: descriptive statistics	
2	28-Jan-25	30-Jan-25	9	Review: z versus t distribution, New: Writing Hypotheses	
3	4-Feb-25	6-Feb-25	9	Types of errors, 1 group hypothesis z test	Homework 1-Due Feb 4
4	11-Feb-25	13-Feb-25	9	the T test	Quiz 1 in class Feb 10
5	18-Feb-25	20-Feb-25	10	2 group hypothesis tests--writing hypotheses, z test	Exam 1: Thursday Feb 20
6	25-Feb-25	27-Feb-25	10	2 group hypothesis tests: t test, matched samples, inferences about proportions	
7	4-Mar-25	6-Mar-25	11	Inferences about variances	Homework 2 Due Feb 25
8	Spring Break-No class				
9	18-Mar-25	20-Mar-25	13	Hypothesis tests with more than 2 groups (ANOVA)	Quiz 2 in class March 17
10	25-Mar-25	27-Mar-25	13	Anova Continued	Homework 3 Due March 25
11	1-Apr-25	3-Apr-25	14	Simple Linear Regression	Exam 2: Thursday April 3
12	8-Apr-25	10-Apr-25	14	Regression Continued	
13	15-Apr-25	17-Apr-25	12	Chi Squared tests; goodness of fit and independence	Homework 4 due Apr 8
14	22-Apr-25	24-Apr-25	19	Control charts	Quiz 3 in class Apr 22
15	29-Apr-25	1-May-25	10	Review and course wrapup	Homework 5 Due Apr 29
Finals week	In class final exam per university schedule				

Important University Dates:

Spring 2025 Regular 16-Week Session

October 21	Monday	Registration opens
December 23-January 1	Monday-Wednesday	Winter Break
January 14	Tuesday	Tuition & fee payment deadline
January 16	Thursday	Drop for non-payment
January 17	Friday	Last day for students withdrawing to receive 100% refund (0% responsibility) for tuition
January 20	Monday	Martin Luther King, Jr. Day - No classes
January 21	Tuesday	First class day
January 28	Tuesday	Last day to register
February 5	Wednesday	Census Date
February 6	Thursday	Drop for non-payment
February 24-March 7	Monday-Friday	Midterm grading period
March 10-March 15	Monday-Saturday	Spring Break
April 18	Friday	Study day - No classes
April 21	Monday	Last day to drop with an automatic grade of "W"
April 28	Monday	Last day to withdraw from the university
May 5	Monday	Last day of scheduled classes for weekday classes
May 6	Tuesday	Study day - No classes
May 7-May 13	Wednesday-Tuesday	Final examinations
May 13	Tuesday	End of term
May 16	Friday	All grades due by noon
May 19	Monday	Grades available in JagWire
May 20	Tuesday	Commencement