



ECO 302

Business and Econ Statistics

Summer I 2026 June 1-July 2

Instructor: Dr. Lirong Liu

Office Hours: Virtual office Monday 5-6 PM

Email: Lirong.Liu@tamuc.edu

Preferred Form of Communication:

- The best way to contact me is by email. Please put the course number 'ECO 302' in the subject. Missing course number in the subject can seriously delay the response time.
- Please allow up to 24 hours for me to reply. If you do not hear from me within that time frame, you can resend your email. Please consult your syllabus and the course page in D2L to see if your questions/concerns are addressed before sending me an email.
- You are responsible for checking your university email daily for announcement, update and other information regarding the course.
- Please consult your syllabus and the course page in eCollege to see if your questions/concerns are addressed before sending me an email.
- If you miss class, consult the course schedule on the last page of the syllabus for materials covered on each class day. It is your responsibility to review the recording of the class to catch up.

COURSE INFORMATION

Textbook(s) Required:

Statistical Techniques in Business & Economics, by D. A. Lind/W. G. Marchal/S. A. Wathen.

McGraw Hill Irwin, 18th edition SBN(ebook): 9781260788785 ISBN (rental): 9781260239478 (older versions are welcome)

Course Description

This is a course dealing with statistical concepts including measures of central tendency and dispersion, probability distributions, the Central Limit

Theorem, sampling, estimation, hypothesis testing, correlation and regression analysis.

Course Objectives

By completing this course, the student will learn to perform the following:

- 1) Calculate and apply measures of location and measures of dispersion.
- 2) Apply discrete and continuous probability distributions to various business problems.
- 3) Calculate confidence intervals and perform the test of hypothesis for a population parameter for a single mean and a proportion; understand the meaning of a null and an alternative hypothesis as well as the meaning of type I and type II error.
- 4) Compute and interpret the results of Correlation and Regression Analysis.
- 5) Be able to interpret regression results generated by a computer software.

GRADING

Quizzes:

- There will be a quiz that corresponds to each chapter.
- Quizzes may consist of a combination of multiple choice, true/false, mathematical problems, and essay questions.
- Unless otherwise noted, quizzes will be due at 11:59 pm on the
- Sunday of the assigned week.
- As with all work in this course, quizzes must be completed individually.

Individual Projects:

- There will be a three-part individual project due throughout the semester.
- Each project may consist of data gathering and analysis
- The topics will be assigned for students.

- As with all work in this course, the projects must be completed individually

Exams

- There will be a midterm and a final exam.
- Each exam will be completed in D2L. They will consist of multiple choice, true/false, mathematical problems, and essay questions.
- Due dates for the exams are listed in the course schedule on the last page of this course syllabus.
- Late Exams: An exam that is turned in late will be given a penalty of 10 points per day late unless your instructor is notified prior to the due date and the excuse is a legitimate medical one or is officially approved. Acceptable documentation, such as a doctor's note, may be required.

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

Note:

1. "Need" is not a factor in determining course grades, so please do not email or call me telling me how much you need to make a certain grade.
2. Grades are to be earned, not gifted. There will not be anything "extra" outside the exams and homework assignments that you can do to pass the course or get a certain grade in this course.

Hints for making a good grade in this course

1. Watch course recordings to learn course materials on time. If you do not understand the material and/or assignments, reach out to me for help.
2. Practice, practice and practice. Practice is the key to learn the materials. Without solving the problems yourself, you will not be able to do it 'magically' during the exams.

3. Submit homework assignments on time. Remember you cannot turn in late assignment. There is zero tolerance on this policy.
4. Contact me as soon as you realize you are having problems in this course. Emailing me after failing the exams and/or when there are only a few days left in the semester will NOT help.

ACCESS AND NAVIGATION

Pearson LearningStudio (eCollege) Access and Log in Information

This course will be facilitated using Pearson LearningStudio, the learning management system used by Texas A&M University-Commerce. To get started with the course, go to myLeo. <http://www.tamuc.edu/myleo.aspx>

You will need your CWID and password to log in to the course. If you do not know your CWID or have forgotten your password, contact Technology Services at 903.468.6000 or helpdesk@tamuc.edu.

myLeo Support

Your myLeo email address is required to send and receive all student correspondence. Please email helpdesk@tamuc.edu or call us at 903-468-6000 with any questions about setting up your myLeo email account. You may also access information at myLeo. <https://leo.tamuc.edu>

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 in Webinar or through email.

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. (See current Student Guidebook).

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: Netiquette
<http://www.albion.com/netiquette/corerules.html>

ADA Statement

Students with Disabilities

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 132

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

Fax (903) 468-8148

Email: Rebecca.Tuerk@tamuc.edu

Website: [Office of Student Disability Resources and Services](http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/)

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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.

Tentative Schedule

Week	Text	Assignments
Week 1 (June 1-7)	Course syllabus; Chapters 1-4	Academic Honesty Policy Chapter Quizzes Project Part 1
Week 2 (June 8-14)	Chapters 5-7	Chapter Quizzes
Midterm Exam Chapters 1-7: June 13-15		
Week 3 (June 15-21)	Chapters 8-9	Chapter Quizzes Project Part 2
Week 4 (June 22-28)	Chapters 10 and 13	Chapter Quizzes Project Part 3
Week 5 (June 29-July 2)	Chapter 14	
Final Exam Chapters 8-13: June 29-July 1		

Notes:

- All assignments are due at 11:59 PM on the Sunday of the week.