



ECO 302.01W/02W
Business and Econ Statistics
Summer I 2016 June 6-July 7

Instructor: Dr. Lirong Liu

Office Hours: Virtual office through eCollege

Email: Lirong.Liu@tamuc.edu

Preferred Form of Communication:

- The best way to contact me is by email. I will reply emails as promptly as I could. Please put the course number 'ECO 302 01E' or 'ECO 302 02E' in the subject. Missing course number in the subject can seriously delay the response time.
- You are responsible for joining online class sessions regularly as long as time permits and 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, 15th or 16th edition ISBN- 978-0-07-340180-5

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

There will be four exams worth 100 points each and five homework assignments worth 25 points each. The lowest grade of homework 1-4 will be dropped. Homework 5 is mandatory and its grade cannot be dropped. So there will be 500 points in total.

All exams will be in multiple choice questions format and given in class. Formulas and tables will be provided. **No makeup exams will be given unless for a university excused absence.** For an excused absence, the makeup exam will be given as a comprehensive final during the final exam week. This means you will need to take two exams during the final week: the regularly scheduled exam and the comprehensive makeup final. Only one makeup exam with excused absence is allowed per student.

Homework assignments are posted on eCollege with deadlines. **No late assignment will be accepted.** No other format of submission (email or hardcopy) will be accepted.

Bonus opportunity: the first student that locates mistakes (including typos, calculation errors, etc) receives one bonus point added to the upcoming

homework grade. Corrections are updated on eCollege as announcement as they are reported.

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 grads, 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. Attend class regularly—come prepared, ask questions if you do not understand the material and/or assignments, stay alert and take good notes.
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 or come by my office after failing two or three 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>

COMMUNICATION AND SUPPORT

Interaction with Instructor Statement

- The best way to contact me outside the classroom is by email or come by my office during office hours. I will reply emails as promptly as I could. Please put the course number 'ECO 302 01W' or 'ECO 302 02W' in the subject. Missing course number in the subject can seriously delay the response time.
- Please allow up to 24 hours during weekdays and 48 hours during weekend 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 eCollege to see if your questions/concerns are addressed before sending me an 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 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)
<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/)

<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.

Tentative Schedule

6/6	Chapters 1&2
6/7	Chapter 3 Describing Data: Numerical Measures
6/8	Chapter 4 Describing Data: Displaying and Exploring Data
6/9	Review
6/10	Exam I (6/8-6/15) Homework 1 (Chapters 1-4) due

6/13	Chapter 5 A Survey of Probability Concepts
6/14	Chapter 5 A Survey of Probability Concepts
6/15	Chapter 6 Discrete Probability Distributions
6/16	Chapter 7 The Normal Probability Distribution
6/17	Review
6/20	Exam II (6/16-6/23) Homework 2 (Chapters 5-7) due

6/21	Chapter 8 Sampling Methods and the Central Limit Theorem
6/22	Chapter 9 Estimation and Confidence Intervals
6/23	Chapter 10 One-Sample Tests of Hypothesis
6/24	Chapter 10 One-Sample Tests of Hypothesis
6/27	Review
6/28	Exam III (6/24-7/1) Homework 3 (Chapters 8-10) due

6/29	Chapter 11 Two-Sample Tests of Hypothesis
6/30	Chapter 13 Linear Regression and Correlation
7/1	Chapter 14 Multiple Regression and Correlation Analysis
7/5	Review; Homework 4 (Chapters 11, 13-14) due
7/6	Review
7/7	Exam IV (7/1-7-7)
7/7	Homework 5 (Excel data analysis) due