



# EAST TEXAS A&M

## UNIVERSITY

### **ECO 302.01E: Business & Economics Statistics                      Syllabus: Spring 2026**

**Instructor:** Dr. Greg. Lubiani

**Office:** BA 303

**Office Hours:** ([Virtual](#)) MW 8:30 – 10:00 am (*Office*)TR 3:15 – 4:15 pm

**Preferred Form of Communication:** Please send emails through the MyLeo Online message system only. This will let me know which class you are in and will keep the class more organized. Always make sure the prefix of the course is listed. Example: ECO 2301 02E

**Communication Response Time:** Emails will be responded to within 48 hours (2 business days) Monday – Friday.

**Course Meeting Times:** Tuesday & Thursday @ 12:30 – 1:45 pm

**Required Text:** D. A. Lind/W. G. Marchal/S. A. Wathen, Statistical Techniques in Business & Economics – McGraw Hill Irwin, 18e Year: 2021, SBN(ebook): 9781260788785 ISBN (rental): 9781260239478 (older versions are welcome)

#### **Course Description:**

This course introduces students to descriptive statistics (measures of central tendency and variation and representing data graphically) and statistical inference. Inference will involve sampling techniques, estimation, hypothesis testing and simple regression. Applications emphasize continuous improvement of products and services.

## **Course Objectives**

The objective of this course is to provide an understanding for the undergraduate business student on statistical concepts to include measurements of location and dispersion, probability, probability distributions, sampling, estimation, hypothesis testing, regression, and correlation analysis, multiple regression and business/economic forecasting. 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) Understand the concepts of null and alternative hypotheses, and type I and type II errors, and perform test of hypotheses. Moreover, the student is able to calculate confidence interval for a population parameter for a single mean, including use of the “t” and the “Z” tests.
- 4) Compute and interpret the results of Bivariate and Multivariate Regression and Correlation Analysis.
- 5) Perform basic time series forecasting.

## **Instructional Methods**

- Class participation & discussions
- Lecture w/ PowerPoint Slides
- Assigned readings
- Weekly quizzes
- Research projects w/ Excel & AI
- Live Sessions
- Video
- Exams

Grading: Each student's grade will be comprised of two exams (15% each), three individual projects (30% combined), weekly online quizzes (30% combined), and class attendance & participation (10% total).

Grading Scale:     A = 90%-100%  
                          B = 80%-89.99999%  
                          C = 70%-79.99999%  
                          D = 60%-69.99999%  
                          F = 59.99999% or Below

### **Late Assignment Policy:**

Late assignments will accrue a penalty of 10 points per day the assignment is late. An assignment is considered one day late if it is submitted past the identified due date/time. It is considered two days late if it is submitted any more than 24 hours past the identified due date/time, and so forth. This includes weekends! Once an assignment is more than 10 days late, it will become a zero and will not be accepted for credit.

If a student wants an extension for an assignment, this must be received no less than 48 hours before the assigned due date/time. Extensions are not guaranteed, and are at the discretion of the instructor. Extensions may include a late penalty.

- **Weekly Quizzes:**
  - Each week, there will be a quiz that corresponds to that week's assigned readings / learning materials.
    - 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 Friday of the assigned week.
    - As with all work in this course, quizzes must be completed individually.
  
- **Individual Projects:**
  - There will be three individual projects due throughout the semester.
    - Each project will consist of data gathering and analysis, as well as a one page summary brief.
    - The topics will be assigned for students.
    - As with all work in this course, the projects must be completed individually.
  
- **Exams**

- Each exam will be completed in CANVAS. They will consist of multiple choice, true/false, mathematical problems, and essay questions. **Tentative** due dates for the exams are listed below:
  - Exam I: 15%
  - Exam II: 15%
  
- **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.
- As with all work in this course, the exams must be completed individually.

## Netiquette

The discussion boards are created to provide an opportunity for students to actively engage in meaningful conversation on a particular topic or issue. You are encouraged to provide your honest viewpoint, but be respectful of the views of your classmates.

### Do's

1. Do use correct grammar and spelling.
2. Do read the prompt, reflect on what you would like to say, and review what you've written before posting!
3. Do respect the privacy, beliefs, and opinions of your classmates.
4. Do challenge each other's ideas but not each other personally.
5. Do remember to treat others as you would want to be treated.
6. Do stick to the discussion prompt at hand when posting to a forum.
7. Do use humor and sarcasm carefully. Students cannot see your facial expressions or hear any voice inflections.

### Don'ts

1. Don't type in ALL CAPS. This is regarded as shouting.
2. Don't rant or rage. This is not the place to vent your anger or start a fight.
3. Don't make inappropriate comments. Objectionable, sexist, or racist language will not be tolerated.

In the discussion forums you will post assignments and discuss your work with others in the class or in your groups. These are public forums, so whatever is posted can be seen by everyone in the course, including the instructors. If you want to send a private message, use individual email. The Class Lounge discussion forum is a public space for conversation with your classmates on any topic or question.

## General Comments:

1. Turn off your cell phones before coming to class. This is a classroom environment. It is disruptive to the class and disrespectful to the instructor to have a cell phone ring in the middle of class. Please double check before you come to class.
2. Texting, the use of a computer for purposes not related to class, reading of newspapers, sleeping, or any other distraction will not be tolerated.
3. Each student is expected to check his/her **university** e-mail (e.g. [rt42@tamcu.edu](mailto:rt42@tamcu.edu)) frequently for course announcements. E-mails **will not** be sent to personal e-mail addresses (e.g. [goldlion@yahoo.com](mailto:goldlion@yahoo.com)). This is to ensure privacy.
4. You will most likely need a calculator for this course. A standard calculator should be sufficient. A graphing calculator is not necessary.

## TECHNOLOGY REQUIREMENTS

### Browser support

D2L is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year.

Note the following:

- Ensure that your browser has JavaScript and Cookies enabled.
- For desktop systems, you must have Adobe Flash Player 10.1 or greater.
- The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser,

Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

### Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

### Tablet and Mobile Support

Device	Operating System	Browser	Supported Browser Version(s)
Android™	Android 4.4+	Chrome	Latest
Apple	iOS®	Safari, Chrome	The current major version of iOS (the latest minor or <b>point</b> release of that major version) and the previous major version of iOS (the latest minor or <b>point</b> release of that major version). For example, as of June 7, 2017, D2L supports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version.  Chrome: Latest version for the iOS browser.
Windows	Windows 10	Edge, Chrome, Firefox	Latest of all browsers, and Firefox ESR.

- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
  - 512 MB of RAM, 1 GB or more preferred
  - Broadband connection required courses are heavily video intensive
  - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution
- You must have a:
  - Sound card, which is usually integrated into your desktop or laptop computer
  - Speakers or headphones.
  - \*For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: [JAVA web site http://www.java.com/en/download/manual.jsp](http://www.java.com/en/download/manual.jsp)
- Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.

Pop-ups are allowed.

JavaScript is enabled.

Cookies are enabled.

- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
  - [Adobe Reader https://get.adobe.com/reader/](https://get.adobe.com/reader/)
  - [Adobe Flash Player \(version 17 or later\) https://get.adobe.com/flashplayer/](https://get.adobe.com/flashplayer/)
  - [Adobe Shockwave Player https://get.adobe.com/shockwave/](https://get.adobe.com/shockwave/)
  - [Apple Quick Time http://www.apple.com/quicktime/download/](http://www.apple.com/quicktime/download/)
- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

## 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

### Brightspace Support

**Need Help?**

### Student 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 or click on the **Live Chat** or click on the words “[click here](#)” to submit an issue via email.



### System Maintenance

D2L runs monthly updates during the last week of the month, usually on Wednesday. The system should remain up during this time unless otherwise specified in an announcement. You may experience minimal impacts to performance and/or look and feel of the environment.

## **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](mailto:Rebecca.Tuerk@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 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**

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

((<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>) 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.

## Tentative Schedule

Week	Text	Details
Week 1	Syllabus; Chapter 1	
Week 2	Chapter 2 & 3	
Week 3	Chapters 4 & 5	
Week 4	Chapter 5 & 6	
Week 5	Microsoft Excel Training	
Week 6	Chapter 6 & 7	Project 1 Due
Week 7	Exam I	
Week 8	Chapters 8	
Week 9	*** Spring Break ***	
Week 10	Chapters 9	
Week 11	Chapter 10	Project 2 Due
Week 12	Chapter 11	
Week 13	Chapter 12	
Week 14	Chapters 13 & 14	Project 3 Due
Week 15	Special Topics	
Week 16	Exam II	

Note: All assignments are due by 11:59 PM CST on the date shown