STA309
Elementary Business Statistics
Unique Number 04360, 04365, 04370

PROFESSOR

Dr. Greenberg
Hours: Monday 2:00 – 3:30 pm, Tuesday 11:30 am – 1:00 pm
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TEACHING ASSISTANTS

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TEXTBOOK

*B*usiness *Statistics*, Second Edition, by Sharpe, De Veaux, and Velleman, Addison Wesley, 2011. ISBN-10: 0321716094, ISBN-13: 978-0321716095

Alternatively, access to the eBook is available by purchasing access to MyStatLab at   https://pearsonmylabandmastering.com/students/register/. Enter the Course ID greenberg78323 to register. Registration requires either payment with PayPal, a credit card, or an Access Code that may have been included with your textbook purchase. In addition to access to the eBook, MyStatLab provides instructional videos and extensive practice problems for each chapter.

GRADING

Class participation	5%
Homework	10%
Applied Finance Assignments	10%
Test 1	25%
Test 2	25%
Test 3	25%

The grade on one test may be replaced with your Test 3 grade. Grades of 90 or above will earn an A (not an A-), 80 or above will earn a B or better, etc. Plus/minus grading will be used.

COURSE OBJECTIVE

This course concentrates on the practice of statistics as a tool for learning about and making decisions in the business world. Upon completion of the course you should be able to think critically about data, use graphical and numerical summaries, apply standard statistical inference procedures, and draw conclusions from such analyses.

WEB PAGE http://utexas.instructure.com

This course is part of a pilot project using Canvas, a new learning management system by Instructure. This is a password-protected class web site. Syllabi, notes, videos, assignments, and other resources will be available within this site. Site activities will include submission of homework assignments and posting of grades.

Login to the course website using your UT EID. You should be able to use the website on computers running Windows, Internet Explorer, Excel and the Adobe Acrobat Reader. If you have difficulty, you may be able to get help from the ACITS Help Desk (475-9400).

HOMEWORK

Statistics is a cumulative subject that requires frequent practice. If one topic is confusing, the next is likely to be more so. To address this, it is necessary for you to practice statistics on a frequent basis. The homework assignments are designed to keep you current in the course. The assignments are available online on the course web page. It is recommended that students work on assignments independently.

You may open an assignment (and even print it out) several times before submitting your answers. Click on the Submit button (at the bottom) when you are done.

Assignments must be completed by midnight on their due dates. It is recommended that you do not wait until the last minute to complete assignments. This will allow for any unexpected difficulties (with the material, website, etc.).

Once the deadline has past, you will be able see how you did on an assignment. Click on My Grades and then the automatically generated grade for the assignment to see the correct answers. *Ignore these HW grades.* Your TA will assign grades after each assignment is due.

Working the assigned problems is not sufficient to guarantee an A in the course. Your proficiency with statistics will improve with active practice; i.e., working problems and explaining your results. The textbook has many problems in each chapter for additional practice. Answers to odd numbered textbook problems are given in the back of the book. Many additional practice problems are available with the MyStatLab software.

APPLIED FINANCE ASSIGNMENTS

There will be three applied finance assignments to be completed for this class. The assignments are examples of real problems from the field of finance. The assignments are designed to give you practical experience analyzing real-world data that you will obtain yourself. You will apply statistical concepts that you learn in this class. Applied Finance Assignments are due by midnight on their due date. The first (1) is worth 4% of your grade, the second (2a) is worth 4%, and the third (2b) is worth 2%, for a total of 10% of your grade.

CLASS PARTICIPATION

We will be using the Learning Catalytics system for class participation. You are required to bring a mobile device (any device with a web browser such as a Smartphone, laptop, or tablet) and to bring it to class every day. Your class participation grade will be determined from the responses that you provide in class. Students self-register with Learning Catalytics. To create your account, navigate to learningcatalytics.com (or use lcatalytics.com as a shortcut). Click "Create student account." Click "I have a signup code," and then use the signup code 43TRP4J to create an account. **When you register, enter your UTEID instead of your last name.**

TESTS

Tests for this class will be given in the ModLab in the late afternoon/evenings. You will have Excel and StatTools available during the test and you may use a calculator as well. You may bring one 8.5" by 11" page (both sides) of notes to the first test, two pages to the second test, and three pages to the third test. Necessary distributional tables will be provided; no formulas will be provided. You must bring a picture ID to each test.

There will be no make-up tests. Your third test will be cumulative and the grade can replace one lower test grade. You must inform the professor in advance if you are going to miss a test due to observance of a religious holiday or an official university activity.

COMPUTING

The practice of statistics requires a fair amount of numerical calculations. We will use Microsoft Excel 2010 and StatTools (included in Pallisade Decision Tools 5.7) for statistical computations and graphics. StatTools is available in McCombs computer labs or you can download the software from https://www.mccombs.utexas.edu/services/cbacc/coe/#DecisionTools

It is also useful to have a calculator that does two-variable statistics, that is, which calculates not only mean and standard deviation, but also the correlation and the least-squares regression line from keyed-in data. Two-variable calculators are available for $25 or less. A graphing calculator is not required for this course. BRING YOUR CALCULATOR TO CLASS EVERY DAY.

The McCombs School of Business has 2 computer labs with Dell computers: CBA 5.304/5.325(MOD Lab) and CBA 5.322(Millennium Lab). Lab hours are extensive both in the CBA labs and the SMF. The datasets to individual homework assignments are available as you work.

LAPTOPS

You may find it helpful to have a laptop (instead of a calculator) in class to use Excel for data analysis, participate using Learning Catalytics, and/or follow along on class notes. If you are multitasking during class and using your laptop for tasks unrelated to class, please sit in the last row of the classroom so that you do not distract other students.

RELIGIOUS HOLY DAYS

By UT Austin policy, you must notify me of your pending absence at least fourteen days prior to the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you will be given an opportunity to complete the missed work within a reasonable time after the absence.

STUDENTS WITH DISABILITIES

The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. This includes students with learning disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

SCHOLASTIC DISHONESTY

The McCombs School of Business has no tolerance for acts of scholastic dishonesty. The responsibilities of both students and faculty with regard to scholastic dishonesty are described in detail in the BBA Program's Statement on Scholastic Dishonesty at http://www.mccombs.utexas.edu/BBA/Code-of-Ethics.aspx. By teaching this course, I have agreed to observe all faculty responsibilities described in that document. By enrolling in this class, you have agreed to observe all student responsibilities described in that

document. If the application of the Statement on Scholastic Dishonesty to this class or its assignments is unclear in any way, it is your responsibility to ask me for clarification. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since dishonesty harms the individual, all students, the integrity of the University, and the value of our academic brand, policies on scholastic dishonesty will be strictly enforced. You should refer to the Student Judicial Services website at http://deanofstudents.utexas.edu/sjs/ to access the official University policies and procedures on scholastic dishonesty as well as further elaboration on what constitutes scholastic dishonesty.

Examples of scholastic dishonesty in this course include: copying or collaborating during an exam, discussing or divulging the contents of an exam with another student who will take the test, use of homework solutions from another student or semester, and attempting to gain course participation credit while not actually in class to participate.

CAMPUS SAFETY

Please note the following recommendations regarding emergency evacuation from the Office of Campus Safety and Security, 512-471-5767, http://www.utexas.edu/safety/

Occupants of buildings on The University of Texas at Austin campus are required to evacuate buildings when a fire alarm is activated. Alarm activation or announcement requires exiting and assembling outside.

Familiarize yourself with all exit doors of each classroom and building you may occupy. Remember that the nearest exit door may not be the one you used when entering the building.

Students requiring assistance in evacuation should inform their instructor in writing during the first week of class.

In the event of an evacuation, follow the instruction of faculty or class instructors.

Do not re-enter a building unless given instructions by the following: Austin Fire Department, The University of Texas at Austin Police Department, or Fire Prevention Services office.

Behavior Concerns Advice Line (BCAL): 512-232-5050

Further information regarding emergency evacuation routes and emergency procedures can be found at: www.utexas.edu/emergency."

COURSE SCHEDULE

Topic	Approximate Start Date	Textbook Reading	Exam and Assignment Due Date
Introduction	8/29	Chapter 1	
Data	8/31	Chapter 2	
Samples and Surveys	9/5	Chapter 3	HW #1 – Sept 11
Categorical Data	9/7	Chapter 4	
Quantitative Data	9/12	Chapter 5	HW #2 – Sept 18
Correlation and Regression	9/17	Chapter 6	HW #3 – Sept 25
Review	9/24		Test 1 – Sept 27
Applied Finance Assignment 1			Oct 2
Randomness and Probability	9/28	Chapter 7	
Random Variables	10/8	Chapter 8	HW #4 – Oct 9
The Normal Distribution	10/15	Chapter 9	HW #5 – Oct 16
Sampling Distributions	10/22	Chapter 10	HW #6 – Oct 23
Review	10/31		Test 2 – Nov 1
Applied Finance Assignment 2a			Nov 6
Confidence Intervals	11/5	Chapters 11-12	HW #7 – Nov 13
Testing Hypotheses	11/12	Chapter 13	HW #8 – Nov 20
Comparing Two Groups	11/21	Chapter 14	
Inference for Counts	12/3	Chapter 15	HW #9 – Dec 4
Review	12/5		Test 3 – Dec 6
Applied Finance Assignment 2b			Dec 7