



OPRE 6301 / SYSM 6303 – Quantitative Introduction to Risk and Uncertainty in Business

Section	009
Term	Fall 2016
Classroom	JSOM 12.210
Time	Tuesday 1:00pm – 3:45pm
Instructor	Prof. Shouqiang Wang
Office	JSOM 13.215
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Email	<i>Shouqiang.Wang@utdallas.edu</i>
Office Hour	Friday 9:00am – 11:30pm, or by appointment
TA	Zhuoyin Wei
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TA Office Hour	Make appointments on Thursday 3pm – 8pm
TA Office	JSOM 2.604

Course Description

This course introduces students to statistical and probabilistic methods and theories applicable to situations faced by managers in a wide range of business settings. Topics include: descriptive data analysis techniques, fundamental probability theory and random variables that are used to describe uncertainty, statistical inferences, and regression analysis. This course uses Microsoft Excel as the computing environment to implement the applications of those concepts and techniques.

Prerequisite: MATH 5304.

Format

This course will mainly use lectures, which will involve example problem-solving, computer demonstrations, in-class exercises/discussions, individual homework assignments, review sessions as well as tests and exams. To effectively master the material in this course, you must “roll up your sleeves” and work on problems, including the examples and some of end-of-chapter exercises in the text.

Student Learning Outcomes

Students are expected to develop skills on problem formulation, identification of appropriate statistical techniques, computer implementations in Excel and/or manual calculations and written explanations, and interpretation of empirical results, and be able to:

1. Organize and summarize raw data;
2. Build and evaluate a regression model from raw data;
3. Apply the basic rules of Probability Theory;
4. Apply the concept of a random variable to solve business problems;
5. Apply the Normal, T, and Binomial Distributions to solve business problems;

6. Simulate data from the Normal, and Binomial;
7. Identify significant changes in averages and proportions via Hypothesis testing;
8. Determine if two populations have the same mean; and
9. Determine if several populations have the same mean.

Course Materials

Required Textbook. STATISTICS FOR MANAGEMENT AND ECONOMICS, 10th EDITION, by G. KELLER, 2015. (ISBN 10 digit: 1-285-42545-6 / ISBN 13 digit: 978-1-285-42545-0)

This is the required edition of the text. Any other editions, including the International and Abbreviated editions, will not have the same problems and/or chapter topics. Since your exam problems may contain textbook problems, you are risking a low exam grade by not having the correct edition. The required 10th edition will permit you to download the necessary Excel data files from the Publisher's website: cengagebrain.com.¹

eLearning. Excel Workbooks utilized in lectures, lecture slides and other supplementary notes will be provided for download via your eLearning class website. *In particular, a handout-version of the lecture slides will be made available before class and students are encouraged to preview, print out, and bring the slides to class to take additional notes.* Students are responsible to check eLearning course website regularly for any updates.

Technical Support. UT Dallas provides eLearning technical support 24 hours a day/7 days a week. The services include a toll free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service. Please use this link to access the UTD eLearning Support Center: <http://www.utdallas.edu/elearninghelp>. If you experience any issues with your UT Dallas account, contact the UT Dallas Information Resources Help Desk: assist@utdallas.edu or call 972-883-2911.

Computer and Software. I will use Microsoft Excel 2016 in Windows 10 environment for all the in-class demonstrations. We will activate Data Analysis add-in in Excel as the course progresses.

The students are expected to have access to Microsoft Excel 2010 or higher either on Mac or Windows computers. **Nonetheless, Windows-based Excel is recommended**, since some functions and features may not be available in the Mac-based Excel. In those situations, students will be responsible. Students can work on windows PCs in JSOM lab. Please be aware that the instructor may not have enough resources to resolve your technical problems (e.g. version compatibility, Mac vs. PC issue).

Mac users can install Windows on their computers and access Windows-based software through a virtual machine (Parallels or VirtualBox), or the built in BootCamp feature of Macintosh. Students can purchase Parallels from the UTD Tech Store, 972-883-6500. Microsoft Windows and Office licenses are needed to install these them on the virtual machine. UTD Jindal School of Management Tech Support (somtechs@utdallas.edu, 972-883-5800) offers students **free** access to DreamSpark Premium that allows students to download Windows operations system and Microsoft Office ([http:](http://)

¹No matter if you (1) rent a textbook, (2) buy a second-hand used textbook, or (3) buy an electronic version of the textbook, you will have FREE access to all the data files associated with the textbook (including those with the end-of-chapter exercises). To do so, register an account at <https://myhome.cengagebrain.com/cb/register.htm?method=loadRegistrationForm#> (by choosing "I don't have an access code or course key" and then entering the ISBN: 9781285425450).

<http://www.utdallas.edu/oit/howto/microsoft-software/>). Students can also choose to purchase a Microsoft license at a significantly discounted price from the UTD Tech Store, 972-883-6500.

- Parallels guide for installing Windows: <http://kb.parallels.com/en/4729>
- VirtualBox guide for installing Windows: http://www.eos.ncsu.edu/soc/support/wom/vbox_install.php
- BootCamp guide for installing Windows: http://www.pcworld.com/article/249059/how_to_install_boot_camp_and_run_windows_on_your_mac.html

Communication

Email will be the main channel for all communications outside of the classroom. Important announcements will be distributed via email. It is the students' responsibility to read and recognize all the email communications. **Only emails originated from students' UTD email accounts will be responded. To ensure my timely response, please do not use your other personal email accounts (e.g., Gmail, Hotmail, etc.) and please include "OPRE 6301" in the subject line of your email.** For complicated questions/comments that are difficult to explain via email, I encourage you to see me in the office hour.

Email Use. The University of Texas at Dallas recognizes the value and efficiency of communication between faculty/staff and students through electronic mail. At the same time, email raises some issues concerning security and the identity of each individual in an email exchange. All official student email correspondence will be sent only to a student's UT Dallas email address and UT Dallas will only consider email requests originating from an official UT Dallas student email account. This allows the University to maintain a high degree of confidence in the identity of each individual's corresponding via email and the security of the transmitted information. The University of Texas at Dallas furnishes each student with a free email account that is to be used in all communication with university personnel. The Department of Information Resources provides a method for students to have their UT Dallas mail forwarded to other email accounts. To activate a student UT Dallas computer account and forward email to another account, go to <http://netid.utdallas.edu>.

Expectation

An important objective of graduate business education is to reinforce what is appropriate behavior in a daily business setting. The expectations in this class are consistent with what will be required of you in the professional world and include, but are not limited to: attendance, timeliness, paying attention to classroom activities, adequate preparation, and appropriate standards of work quality, as well as individual participation and contribution.

Attendance Policy

While there is no formal attendance policy in this course, students are all strongly urged to attend all classes. If you miss any class activities such as pop quizzes, tests, in-class exercises/discussions, homework submission, case presentation and etc., you will be responsible for the consequent loss of your credits. If you have to be absent due to legitimate reasons, it is your responsibility to follow the due process according to the pertinent university policies (see below) or notify the instructor at least **48 hours** ahead of time to avoid credit loss.

In Case of Emergency. Class cancellation is determined by the university. Students should wait no more than 30 minutes in any case that I am delayed or fail to show up in the classroom. You will not be punished if there is homework due at the beginning of that class. The course schedule will be shifted sequentially.

Religious Holidays. The University of Texas at Dallas will excuse a student from class or other required activities, including examinations and travel time for the observance of a religious holy day for a religion whose places of worship are exempt from property tax under Section 11.20, of the Texas Tax Code. Students are encouraged to notify the instructor or activity sponsor as soon as possible regarding the absence, preferably in advance of the assignment. Excused students will be allowed to take missed exams or complete assignments within a reasonable time after the absence: a period equal to the length of the absence, up to a maximum of one week. A student who notifies the instructor and completes any missed exam or assignment may not be penalized for the absence. A student who fails to complete the exam or assignment within the prescribed period may receive a failing grade for that exam or assignment.

If a student or an instructor disagrees about the nature of the absence (i.e., for the purpose of observing a religious holy day) or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the President of UT Dallas or from the President's designee. The chief executive officer or designee must take into account the legislative intent of Texas Education Code 51.911(b), and the student and instructor will abide by the decision of the chief executive officer or designee.

Class Citizenship

- Class begins on time. **Students are responsible for announcements and activities (and their consequences) that they miss for being late to the class.**
- Please bring your **nameplates** in every class.
- Please maintain class decorum and be respectful toward fellow students in the class. You should minimize the distractions of any form to other students in the classroom.
- Using your phone during class is not permitted and is rude. Keep your phone on silent at all times and away from your desk. This includes no texting. Offenders will be asked to turn off their phones. If this is a recurring problem students will be asked to give their phones to the instructor, which will be returned at the end of the class session.
- Laptop computer policy: using Excel on laptops and accessing course materials on eLearning course web site are the **only** permitted computer activities in class. All other features and their usage (such as e-mail, facebook, games, instant messaging and etc.) are regarded as class disruptions and are **strictly prohibited** in class.

Tips for Success

1. Read the relevant textbook chapters before a new class begins, and then review again after the lectures. You can find the lecture schedule/contents at the end of this syllabus.
2. Be an active participant during lectures.
3. Ask questions – during class or office hours, or by email.
4. Do the homework – start early and make sure you attempt and understand all questions.

5. Give yourself plenty of time to prepare good cheat sheets for exams. This requires going through the material and taking the time to review the concepts that you're not comfortable with.
6. Do not procrastinate – don't let a week go by with unanswered questions as it will just make the following week's material even more difficult to follow.

Grading Policy

The total score in this course is 100 points, which will be made up of the following components:

Homework Assignments (15%). There are totally 5 graded homework assignments, each of which is worth 3% of your total score. The homework assignments will be distributed on the eLearning course website **10 days** before the due date and should be handed in **at the beginning of the classes on the due dates** listed on the schedule attached to this syllabus. You may discuss the homework with your classmates. But each student must hand in their own write-up, which should be neatly hand-written or typed with all the essential reasoning/derivations included. Note: by "your own write-up," we mean that you cannot turn in a write-up that share more than 40% similarities with those of your peers. Some homework assignments may require Excel modeling and each student should submit their Excel spreadsheet on eLearning. If you have to miss the class where the homework is due, you should hand in your homework ahead of time (either electronically or in person); otherwise, it is counted as late submission. **No make-up assignments will be provided.** Late homework assignments are accepted subject to the following penalties:

- Late but before the class ends: lose 15% of points
- After the class but still on due date: lose 25% of points
- Next day: lose 50% of points
- Later than next day: lose all points.

Graded homework assignments will NOT be returned to the students, but can be reviewed during the *TA office hours*. We will also review homework questions during the review sessions.

Online Quizzes (10%) There are totally 5 graded online quizzes, each of which is worth 2% of your total score. These quizzes will be posted on the course eLearning web site **one week** before the due dates and the students will have all the time until the due date to complete it. The students are expected to start these quizzes ahead of time (at least 24 hours before the due date) in anticipation of possible technical glitches. Should those situations emerge, you must first contact eLearning help and also email the professor immediately. Last-minute note will NOT be accepted as an excuse for failure to submit these quizzes. You are given only one attempt for these quizzes, but you can work on them on and off (save each time) and there is no time limit either. All quizzes have to be submitted before **the beginning of the classes on the due dates**. **No late or make-up submissions are allowed.** These quizzes are there for you to learn the material and be ready for the tests. So, while doing them, focus on the learning side, not on the scoring side. Therefore, you can work together with your classmates and open books on quizzes. After the due dates, your submissions will be graded and the questions you got wrong will be revealed to you.

Pop Quizzes (5%) There will be a random number of short (5-minute maximum) close-book, close-notes quizzes administered in class **at the beginning** of some classes. They are **strictly individual** assignments. These quizzes will not be pre-scheduled or pre-announced. Students who arrive late to class will be responsible for missing those quizzes. **No make-up quizzes will be offered.** The purpose is to provide students with incentive to attend the class and review materials on a timely fashion. As such, these quizzes will be graded as follows: the total points are 100 in each quiz; as

long as you write your name on the paper, you automatically receive 50 points; the rest of 50 points are earned based on how well you answer these quizzes.

Exams (70%) There are two mid-term exams, each worth 20% of your total grades, and one final exam worth 30% of your total grades. All exams are closed-book, closed-note, in-class, paper-based exams. All the exams will be cumulative with slight emphasis on materials that have not yet been tested. **Each student is ONLY allowed to bring one-page (11 × 8.5”) handwritten and one-sided cheat sheet as well as a calculator to the exams.** Depending on the nature of the exams, students may be asked to prepare Scantron test forms. These tests are absolutely **individual** assessments and no discussions/collaborations among peers are allowed. The dates are indicated in the course schedule. There will be **NO make-up** exams. If you have to miss any exam due to legitimate excuses, please notify the instructor at least 72 hours before the test to make special arrangement. Graded exams will NOT be returned to the students, but can be reviewed during the *instructor’s office hours*. We will also review mid-term exam questions during the last review sessions.

Grades for all the assignments and exams will be posted on eLearning individually after they are graded. The grading is done either by myself or by TA. In either case, the grading policy is not a matter of strictness or looseness, instead, is to emphasize and keep consistency and maintain fairness across all the students. **Any challenges to grading must be made, in writing (hard copy, no emails), with justification, within 3 days of the grade being posted in eLearning.** I will not discuss grades in class; please see me during office hours.

The instructor reserves the right (but does not commit) to adjust the final total scores. Your final letter grade will be assigned based on your total score according to the following distribution:

Letter grade	A	B+	B	C+	C	F
Points	≥ 90	[85, 90)	[80, 85)	[75, 80)	[70, 75)	< 70

A serious note: *Your grade will be based on your performance in the class just as your promotion or demotion at work is based on your performance there. Please do not ask me to give a special treatment to you (give extra credit work or bump your grade) for any reason whatsoever as I do not ever comply with such requests. Also, please keep in mind, there will always be someone who’ll miss the next higher grade by “just a little bit.” It is unfortunate, but that is how it works.*

Withdrawal from the Class

The administration at UT Dallas has established deadlines for withdrawal from any course. These dates and times are published in the Comet Calendar (<http://www.utdallas.edu/calendar>) and in the Academic Calendar (<http://www.utdallas.edu/academiccalendar>). It is the student’s responsibility to handle withdrawal requirements from any class. In other words, a professor or other instructor cannot drop or withdraw any student unless there is an administrative drop such as the following:

- Have not met the prerequisites for a specific course
- Have not satisfied the academic probationary requirements resulting in suspension
- Judicial affairs request
- Have not made appropriate tuition and fee payments
- Enrollment is in violation of academic policy
- Was not admitted for the term in which they registered

It is the student's responsibility to complete and submit the appropriate forms to the Registrar's Office and ensure that he or she will not receive a final grade of "F" in a course if he or she chooses not to attend the class after being enrolled.

Incomplete Grade Policy

As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and only if 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first day of the subsequent long semester. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of "F."

Student Grievance Procedures

Procedures for student grievances are found in university policy UTDSP5005 (<http://policy.utdallas.edu/utdsp5005>). In attempting to resolve any student grievance regarding disputes over grades, application of degree plan, graduation/degree program requirements, and thesis/and dissertation committee, adviser actions and/or decisions, evaluations, and/or other fulfillments of academic responsibility, it is the obligation of the student first to make a serious effort to resolve the matter with the instructor, supervisor, administrator, or committee with whom the grievance originated.

Course Evaluation

There will be two anonymous chances that you can evaluate my teaching effectiveness and provide me with feedbacks.

1. There will an informal in-class mid-term review right before the first mid-term exam (see schedule). I will try to adjust the rest of the course based on the feedbacks from this mid-term review.
2. Approaching the end of the course, you will have the opportunity to complete an online course evaluation form. The university provides incentive (e.g., priority access to grades and a prize drawing) for students to complete this survey in a timely fashion.

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

"As a Comet, I pledge honesty, integrity, and service in all that I do."

Academic Integrity

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrates a high standard of individual honor in his or her scholastic work.

Academic Dishonesty. Academic dishonesty can occur in relation to any type of work submitted for academic credit or as a requirement for a class. It can include individual work or a group project.

Academic dishonesty includes plagiarism (especially from internet sources), cheating, fabrication, and collaboration/collusion. In order to avoid academic dishonesty, it is important for students to fully understand the expectations of their professors. This is best accomplished through asking clarifying questions if an individual does not completely understand the requirements of an assignment.

Additional information related to academic dishonesty and tips on how to avoid dishonesty may be found here: <https://www.utdallas.edu/conduct/dishonesty/>.

Students in this course suspected of academic dishonesty are subject to disciplinary proceedings (c.f. <https://policy.utdallas.edu/utdsp5003>), and if found responsible, the sanctions will be determined according to the severity and the nature of the violation with the following minimum sanctions being applied: **Zero point for the assignment/exam, where the violation is found, and one letter grade reduction of the final course grade.**

Copyright Notice

It is the policy of the University of Texas at Dallas to adhere to the requirements of the United States Copyright Law of 1976, as amended, (Title 17, United States Code), including ensuring that the restrictions that apply to the reproduction of software are adhered to and that the bounds of copying permissible under the fair use doctrine are not exceeded. Copying, displaying, reproducing, or distributing copyrighted material may infringe upon the copyright owner's rights. Unauthorized distribution of copyrighted material, including unauthorized peer-to-peer file sharing, may subject students to appropriate disciplinary action as well as civil and criminal penalties. Usage of such material is only appropriate when that usage constitutes "fair use" under the Copyright Act. For more information about the fair use exemption, see <http://copyright.lib.utexas.edu/copypol2.html>. As a UT Dallas student, you are required to follow UT Dallas' copyright policy (UTDPP1043 at <http://policy.utdallas.edu/utdpp1043>) and the UT System's policy at <http://www.utsystem.edu/ogc/intellectualproperty/copyright/home.htm>.

Student Conduct and Discipline

The University of Texas System (Regents' Rule 50101) and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the UT Dallas online catalogs (<http://catalog.utdallas.edu>).

The University of Texas at Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the Student Discipline and Conduct, UTDSP5003 (<http://policy.utdallas.edu/utdsp5003>). Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations (SSB 4.400, 972-883-6391) and online at <http://www.utdallas.edu/deanofstudents>.

A student at the University neither loses their rights nor escapes the responsibilities of citizenship. He or she is expected to obey federal, state, and local laws as well as the Regents' Rules, university regulations, and administrative rules. Students are subject to discipline for violating its standards of conduct whether such conduct takes place on or off campus, or whether civil or criminal penalties are also imposed for such conduct.

Student Accessibility Service

It is the policy and practice of The University of Texas at Dallas to make reasonable disability-related accommodations and/or services for students with documented disabilities. However, written notification from the Office of Student Accessibility (OSA) is required (see <http://www.utdallas.edu/studentaccess>). If you are eligible to receive disability-related accommodations and/or services and to ensure accommodations will be in place when the academic semester begins, students are encouraged to submit documentation four to six weeks in advance. Students who have questions about receiving accommodations, or those who have, or think they may have, a disability (mobility, sensory, health, psychological, learning, etc.) are invited to contact the Office of Student Accessibility for a confidential discussion. OSA is located in the Student Services Building, suite 3.200. They can be reached by phone at 972-883-2098, or by email at studentaccess@utdallas.edu.

The Office of Student Accessibility provides:

1. Academic accommodations for eligible students with a documented permanent physical, mental or sensory disability
2. Facilitation of non-academic and environmental accommodations and services
3. Resources and referral information, and advocacy support as necessary and appropriate.

It is the student's responsibility to notify the instructor of the need for such an accommodation. OSA provides students with letters to present to faculty members to verify that the student has a disability and needs accommodations. Individuals requiring special accommodation should contact the instructor immediately during the first class meeting.

Special Assistance

For help with test anxiety or time management, the following resources are available: your academic advisor, the Learning Resource Center (MC2.402), the Counseling Center (SU1.608), the New Student Programs Office (SU1.610), your instructor.

Title IX: Sexual Discrimination, Harassment and Assault

The University of Texas at Dallas (see <https://policy.utdallas.edu/utdbp3102>) is committed to providing an educational, living and working environment that is welcoming, respectful and inclusive of all members of the University community. An environment that is free of discrimination and harassment allows members of the University community to excel in their academic and professional careers. To that end and to the extent provided by applicable federal and state law, the University prohibits unlawful discrimination against a person because of their race, color, religion, sex (including pregnancy), national origin, age, disability, genetic information, or veteran status. The University commitment to equal opportunity extends its nondiscrimination protections to include sexual orientation, gender expression and gender identity.

Sharing Confidential Information. Students considering sharing personal information in email, in person, or within assignments or exams should be aware that faculty members and teaching/research assistants are required by UT Dallas policy to report information about sexual misconduct to the UT Dallas Title IX Coordinator. Per university policy, faculty have been informed that they must identify the student to the UT Dallas Title IX Coordinator. Students who wish to have confidential discussions of incidents related to sexual harassment or sexual misconduct should contact the Student Counseling

Center (972-883-2527 or after hours 972-UTD-TALK or 972-883-8255), the Women's Center (972-883-8255), a health care provider in the Student Health Center (972-883-2747), the clergy person (or other legally recognized religious advisor) of their choice, or an off-campus resource (i.e., rape crisis center, doctor, psychologist). Students who are sexually assaulted, harassed, or victims of sexual misconduct, domestic violence, or stalking, are encouraged to directly report these incidents to the UT Dallas Police Department at 972-883-2222 or to the Title IX Coordinator at 972-883-2218. Additional information and resources may be found at <http://www.utdallas.edu/oiec/title-ix/resources>.

Campus Carry

The University's concealed handgun policy is posted on the campus carry website: <https://www.utdallas.edu/campuscarry/>.

Resources to Help You Succeed

The Office of Student Success operates the Student Success Center (SSC, <http://www.utdallas.edu/studentssuccess>), which offers assistance to students in the areas of writing, mathematics, communication, multiple science fields, reading, study skills, and other academic disciplines. These services are available through individual and small group appointments, workshops, short courses, and a variety of on-line and instructional technologies. All students enrolled at UT Dallas are eligible for these services.

The **Math Lab** gives short-term and semester long support for a variety of introductory and advanced mathematics courses. Students may drop in to visit with a math tutor on a regular basis. Comet card is required.

The **Writing Center** offers a collaborative learning environment for one-to-one and small group assistance with general and advanced writing assignments and overall writing skills. Scheduling an appointment is strongly recommended, but walk in appointments are possible if a tutor is available.

The **Peer Tutoring** program offers free tutoring assistance in multiple locations for many of the historically challenging undergraduate subjects at UT Dallas. Tutoring sessions, offered every weekday on a drop-in basis, are one-on-one or in a small group format. The sessions are designed to meet students' individual questions and needs related to course/subject concepts. All peer tutors are current UT Dallas students who made an A- or better in the course and have a strong faculty/staff recommendation. Students should check the Student Success Center website each semester for subject offerings and session times.

The **Peer-Led Team Learning (PLTL)** program provides an active, engaged learning experience for students who meet in small groups once a week with a Peer Leader who helps guide them through a potentially difficult gateway course. Students that attend sessions regularly typically earn a half to a whole letter grade higher than students that do not participate in the PLTL program.

Supplemental Instruction (SI) provides free, peer-facilitated weekly study sessions for students taking historically difficult courses. SI sessions encourage active, collaborative learning based on critical thinking and transferable study skills. SI leaders attend lectures, take notes, and read assigned material just like the enrolled students. Students should check the SSC website for subject and session times.

The **Communication Lab (CommLab)** offers one-on-one and group consultations where you will gain practical feedback for improving oral and group presentations.

Success Coaches are available for individual student appointments to discuss study skills, time management, note taking, test taking and preparation, and other success strategies.

The Student Success Center's main office is located in the McDermott Library Building and can be contacted by calling 972-883-6707 or by sending an email to ssc@utdallas.edu.

UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

Disclaimer. The instructor of this course reserves the right to revise this syllabus and adjust the course descriptions/material and class schedules at the instructor's discretion. Any amendment to this syllabus will be announced in class, through email or reflected in the revised version of this syllabus in time for students to react. It is the responsibility of the student to read and understand this syllabus.

Tentative Schedule and Due Dates

Class	Date		Module	Topics	Readings	HW due	Online Quizz Due	Notes
1	August	23	Descriptive Statistics	Introduction; Syllabus; Data Collection and Sampling	Chapter 1, 5			
2		30		Graphical Exploratory Techniques	Chapter 2 & 3	Install Excel, get textbook, read syllabus		
3	September	6		Numerical Exploratory Techniques	Chapter 4		Quiz 1	
4		13	Language to Describe Uncertainty	Probability and Random Variable	Chapter 6	HW#1		
5		20		Discrete Distributions	Chapter 7		Quiz 2	
6		27		Continuous Distributions; Review Session	Chapter 8	HW#2		
7	October	4		Test 1 (100 mins in class) - Midterm Survey	Chapter 9			
8		11	Inferential Statistics	Sampling Distributions; Introduction to Estimation	Chapter 10		Quiz 3	
9		18		Hypothesis Testing; Inference about a Population (t Distribution)	Chapter 11 & 12			
10		25		Inferences on Two Populations (F Distribution); Analysis of Variance	Chapter 13	HW#3		
11	November	1		Analysis of Variance; Simple Linear Regression	Chapter 14		Quiz 4	
12		8	Predictive Statistics	Simple Linear Regression; Review Session	Chapter 16	HW#4		
13		15		Test 2 (150 mins in class)				
		22		FALL Break - No Class				
14		29		Multiple Linear Regression	Chapter 17		Quiz 5	
15	December	6		Summary; Review Session		HW#5		
		13		Final Exam: 2pm -- 4:45pm (Tentative, Location TBD)				