OPRE 6301 – Statistics and Data Analysis

Section	**MBC**
Term	Fall 2020 (Aug 17 – Dec 11)
Instructional Mode	Remote/Virtual Learning on Microsoft Teams
Time	Tuesday, Thursday 8:00am – 9:15am (CST)
Instructor	Prof. Shouqiang Wang
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Phone	(972)883-5093
Email	*Shouqiang.Wang@utdallas.edu*
Office Hour	Wednesday 1pm – 3pm (CST), or by appointment
TA	Aishwarya Sreenivas
TA Email	*Aishwarya.Sreenivas@utdallas.edu*
TA Office Hour	Friday 1pm – 3pm (CST), or by appointment
Last Update	August 29, 2020 (syllabus subject to minor changes)

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.

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 distributions;

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.

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: respect of University rules and policies, attendance, timeliness, paying attention to classroom activities, proper etiquettes in the virtual classroom, adequate preparation, appropriate standards of work quality, as well as individual participation and contribution. The detailed expectations are prescribed subsequently in this syllabus.

COVID-19 Guidelines and Resources

Please refer to https://go.utdallas.edu/syllabus-policies for the University's general guidelines and resources related to COVID-19.

Asynchronous Learning Guidelines

Students who elect asynchronous learning mode are responsible to fulfill all the course requirement and activities as specified in this syllabus, except for attending the live lectures and participating in-class activities. Instead, they should review recordings of live lectures in a timely manner. **If you plan to participate via asynchronous access, you will need to notify the instructor and TA once the semester begins, or at any point during the semester as soon as you know you will be accessing the class asynchronously.** Please refer to https://www.utdallas.edu/fall-2020/asynchronous-access-for-fall-2020/ for more information about asynchronous learning mode.

Course Materials and Technical Requirement

Required Textbook. STATISTICS FOR MANAGEMENT AND ECONOMICS, 11th EDITION, by G. KELLER, 2018. (ISBN 10 digit: 1337093459 / ISBN 13 digit: 9781337093453)

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. You can download the Excel data files associated with the textbook from https://www.cengage.com/cgi-wadsworth/course_products_wp.pl?fid=M20b&product_isbn_issn=9781337093453&token= (by clicking on "Excel Datasets" to download).

Computer and Software. Students are required to have a computer (laptop or desktop, PC or Mac) equipped with (i) a reliable internet connection, (ii) a speaker or headphone, (iii) a microphone (built-in or external), and (iv) web camera (built-in or external).[1] Students on Wi-Fi should find a location with a good signal. Video conferencing can be power-hungry, so students should have a power outlet near their workspace so they can plug in. Please review the important technical requirements on the Getting Started with eLearning webpage.

The instructor will use Excel from Microsoft Office 365 suite in Windows 10 environment for all the in-class demonstrations. All UTD students are granted free access to Microsoft Office 365 at https://www.utdallas.edu/oit/o365/. Students can use Mac-version of Excel, but please be aware that the instructor may not have enough resources to resolve your technical problems (e.g. version compatibility, Mac vs. PC issue). We will activate Data Analysis add-in in Excel as the course progresses.

Course Delivery Platform

Microsoft Teams. Both live lectures and office hours will be delivered on Microsoft Teams according to the announced schedule. The access link is available on eLearning course web page as well as your

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[1]Please note that webcam requirement is strongly encouraged for all live class sessions, and is **mandatory** for taking online exams. Webcams can be purchased at relatively low prices on Amazon or other retailers.

Teams calendar. Microsoft Teams is an online conferencing tool available at no cost to all UTD registered students at https://www.utdallas.edu/oit/howto/microsoft-teams/. **Students are strongly suggested to install and access Teams through Teams Desktop Apps (available for both Windows and Mac) to ensure full functionality of Teams.** (Web-based Teams are also available through commonly used web browsers (e.g., Chrome) without any app installation, albeit with limited functionality.) Students are responsible to familiarize themselves with Microsoft Teams by taking the training at https://www.utdallas.edu/oit/o365/training/. Here is the student instruction on How to Access a Course Meeting in Teams.

- **Live lectures** involve example problem-solving, computer demonstrations, in-class exercises and discussions, individual homework assignments, review sessions, as well as tests and exams. Students are strongly suggested to attend and participate in the live sessions at scheduled class meetings. If needed, students can turn on **closed-captioning (CC)** function on Teams to read the transcript of the lecture in real time. In the meantime, all live lectures will be recorded to provide asynchronous access for students who have difficulty attending the live sessions (see below for instructions). **By participating in the live lectures, you voluntarily consent to the University and Microsoft's privacy policy for being recorded. Therefore, please review the "Netiquette Guidelines for Virtual Classroom" below for proper behaviors during live class meetings.**

- **Office hours** offer the students one-on-one meeting opportunities with the instructor or TA to ask questions or have a private conversation. When logging in office hours on Teams, students will automatically enter the lobby (a feature available in Teams) and wait in a queue. Students will be let into the meeting room on a first-come-first-serve basis. **Office hours are not allowed to be recorded.** To better prepare students for the exams, extended office hours will be offered on the following Wednesdays: Sept. 30, Nov. 11, and Dec. 2.

Microsoft Streams. Asynchronous access to the live class sessions is provided through Microsoft Streams, where all recorded lectures and additional video lectures will be uploaded and stored. They will be organized into different Channels. **By each Friday, abbreviated pre-recorded lectures for the following week's class meetings will be uploaded on Microsoft Streams.** Students are encouraged to preview pre-recorded lectures for an efficient and productive live class sessions. Microsoft Streams is a cloud-based video content sharing service available to all registered UTD students at https://web.microsoftstream.com/. Thus, you do not need to install any app and can access Streams through commonly used web browsers (e.g., Chrome). **To access course videos, please sign in to Streams with your UTD email address and password.** Here is the student instruction on How to Access a Lecture Recording in Stream.

University Policy on Class Recordings. The instructor may record meetings of this course. Any recordings will be available to all students registered for this class as they are intended to supplement the classroom experience. Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student Access Ability accommodation. If the instructor or a UTD school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

Kahoot! During the live class sessions, students will be offered opportunities to play Kahoot quizzes

(ungraded).[2] Kahoot is an online learning platform that can be easily accessed at no cost through commonly used web browsers (e.g., Chrome) at `kahoot.it` or through iOS/Android app. Each class will be assigned a Game PIN, and students need to enter that Game PIN and their **last names and first name initials** to participate.

eLearning. Lecture slides,[3] Excel Workbooks utilized in lectures, homework assignments, exams, your grades, and other supplementary materials will be provided for download via your eLearning class website: `https://elearning.utdallas.edu/` (UT Dallas NetID account required). Students are responsible to check eLearning course website regularly for any update. Please review the course access and navigation section of the Getting Started with eLearning webpage. Students are responsible to familiarize themselves with eLearning by taking the training at `https://ets.utdallas.edu/elearning/students`.

eLearning Discussion Board. Students can and are encouraged to post and review questions or discussions on Discussion Board of the eLearning course web page on a regular basis. The Discussion Board is organized into four forums that respectively correspond to the four modules of this course. Meaningful posts will be counted as part of the class participation (please do not overwhelm the discussion board with "cheap talks"). The instructor and TA will respond on a regular basis.

Technical Support

UT Dallas OIT Help Desk provides technical support for Microsoft Office 365 (including Excel, Teams, and Streams) 24 hours a day/7 days a week. Please visit `https://www.utdallas.edu/oit/o365/` for their contact information (e.g., phone number, email, and Live Chat).

UT Dallas eLearning Support Center provides 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 visit `http://www.utdallas.edu/elearninghelp` for their contact information in details.

The University is committed to providing a reliable learning management system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the online eLearning Help Desk. The instructor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

Distance Learning Student Resources

Online students have access to resources including the McDermott Library, Academic Advising, The Office of Student AccessAbility, and many others. Please see the eLearning Current Students webpage for more information.

Attendance and Participation Policy

Due to the special circumstances of COVID-19 and the online nature of our class, there is no mandatory attendance of the live class sessions. However, students are strongly urged to attend all live class sessions as much as possible, which provide a precious opportunity for you to interact with the instructor and

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[2]While the live Kahoot quizzes are ungraded, the same questions may appear in your graded homework assignments and exams!

[3]A handout-version of the lecture slides (with the solutions to some in-class exercises blocked) will be made available *before* class; students are encouraged to preview the slides and take notes during the class. A complete version of the lecture slides (with the solutions to all in-class exercises uncovered) will be made available *after* class.

your fellow classmates. For distance students who have difficulty attending the live class sessions, please regularly visit Microsoft Streams and eLearning to review class recordings and lecture slides.

Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on discussions, homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty (e.g., tracking features in eLearning and Kahoot). Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the Student Code of Conduct. **Class participation is important and may be taken into account in the case of students on the borderline between two letter grades.**

In Case of Emergency. Class cancellation is determined by the university. If technical issues (e.g., loss of internet connection) prevent the instructor from hosting the class meetings, the instructor will notify the students as soon as possible and will instruct the TA for remedies. Students should wait no more than 30 minutes in any case that I am delayed or fail to show up in the classroom. The instructor will upload recorded lectures on Microsoft Streams to substitute any missed classes.

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.

Virtual Classroom Citizenship

To ensure a productive and respectful learning environment, proper etiquettes and behaviors are expected from all participants to the live Teams class meetings:

1. Class begins on time.

2. Sign in to Teams with your UTD email address and password.

3. Try to be in a quiet place for class periods, as best as you can.

4. Keep your microphone muted unless you are given permission to speak.

5. Try to turn on your webcam so that the instructor and your fellow classmates can see you (and communicate through facial expression).

6. Be dressed appropriately on camera during live meetings.

7. Blur your background or use virtual background (features available in Teams) unless you are in a distraction-free area.

8. No eating or heavy drinking on camera.

9. Remove distractions like emails, phone calls, texting, social media, web browsing during live meetings.

10. Please feel free to ask questions in the chat box or by raising your hands (features available in Teams).

11. Be respectful and courteous at all times; be aware that live class sessions will be recorded and archived for other students to view.

12. Please do not share inappropriate or personal files on Teams! Please note that all files and conversations records on Teams will be deleted at the end of semester.

13. Please do not share the lecture recordings outside of the class without instructor's permission.

14. Please wait in the lobby (a feature available in Teams) until being let in during office hours.

Communication

This course utilizes online tools for interaction and 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 visit or schedule the office hours.

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.

Tips for Success

1. Be prepared – read the relevant textbook chapters and preview Streams recordings before a new class begins.

2. Roll up your sleeves – be an active participant and follow me on in-class exercises during lectures.

3. Ask questions – during class or office hours, or by email.

4. Do the homework – get started early and make sure that you 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 – review the lectures in a timely fashion, and 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:

Online Homework Assignments (27%). There are totally **9** graded online assignments, each of which is worth 3% of your total course grade. These assignments will be posted on the eLearning course web site **one week** before the due dates and the students will have all the time until the due date to complete it. <u>The students are expected to start these assignments 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.</u> You are given only one attempt for these assignments, but you can work on them on and off (save each time) and there is no time limit either. All assignments have to be submitted before **8 am (CST), the beginning of the class on the due dates** (listed on the schedule at the end of this syllabus). **No late or make-up submissions are allowed, and you will receive zero grade for any missed assignment.** The format of the questions varies, including true-or-false, multiple-choice, fill-in, and file submissions, etc. Some questions will be drawn from the textbook. These assignments are there for you to learn the material and be ready for the tests. Therefore, you can open books on assignments and work together with your classmates. After the due dates, your submissions will be graded and the questions you got wrong will be revealed to you.

Exams (73%). There are two non-cumulative mid-term exams, each worth 21% of your total course grade, and one cumulative final exam worth 31% of your total course grade. All exams are time-locked, closed-book, individual, unassisted assessments; no discussions/collaborations among peers are allowed. Nonetheless, **students are allowed to prepare and use one-page (11×8.5"), two-sided cheat sheet for each mid-term exams, and reuse these two pages of cheat sheets for the final exam.**

All three exams will be administered through Honorlock – an online exam proctoring tool. **To successfully take an exam, you must have a web camera with microphone, a laptop or desktop computer (no tablets/phones), Chrome browser, a reliable internet connection and your photo ID.** You will be prompted to install the Honorlock Chrome Extension (which you can remove after you finish the test). You will then access the exam within your eLearning course and go through the authentication process. The web camera will monitor you throughout your test. Please refer to `https://ets.utdallas.edu/testing-center/honorlock/` or see the Testing Guidelines and Support Information for additional information. **On-screen calculator will be provided by Honorlock, and the exams may contain one or two Excel-based questions, in which you will be allowed to use the Excel on your computer and submit your work on eLearning.**

All exams are accessible through eLearning. Each exam is scheduled for a 24-hour window. **Students must access and <u>complete</u> the exam during this 24-hour time window.** The exam dates are scheduled as follows.

- **Mid-term Exam 1** (120 minutes): 2pm Oct. 1 (TH) – 2pm Oct. 2 (F), CST (i.e., 12:30am Oct. 2 – 12:30am Oct. 3 in India, and 3am Oct. 2 – 3am on Oct. 3 in China).

- **Mid-term Exam 2** (120 minutes): 2pm Nov. 12 (TH) – 2pm Nov. 13 (F), CST (i.e., 1:30am Nov. 13 – 1:30am Nov. 14 in India, and 4am Nov. 13 – 4am Nov. 14 in China).

- **Final Exam** (150 minutes): 8am Dec. 3 (TH) – 8am Dec. 4 (F), CST (i.e., 7:30pm Dec. 3 – 7:30pm Dec. 4 in India, and 10pm Dec. 3 – 10pm Dec. 4 in China).

There will be **NO make-up** exams. If you have to reschedule any exam due to legitimate reasons,

please notify the instructor <u>at least 72 hours</u> before the test to make special arrangement. Students can review their exams during the *instructor or TA's office hours.*

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 or TA during office hours.

Your final letter grades (A, B+, B, C+, C, F) will be assigned based on your overall performance RELATIVE to the entire class.[4]

<u>A serious note:</u> *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, appli-

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[4]An extremely low performance below the class average may result in a letter grade of F.

cation 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 opportunities for you to provide your feedbacks on the course and the instructor.

1. An informal online mid-term review (see schedule), based on which the rest of the course may be adjusted.

2. A formal online course evaluation. 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 <u>minimum</u> 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/copyrighthome.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 Accessability (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 Accessability 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 Accessability 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.

Academic Support Resources

Please refer to Academic Support Resources webpage for the University's academic support resources.

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's 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 clergyperson (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/.

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

Week	Module	Topics	Readings	Date		HW/AQ due
1	Descriptive Statistics	Introduction; Syllabus; Data Collection and Sampling	Chapter 1, 5	August	18 (T)	Read syllabus and ready the semester
					20 (TH)	
2		Graphical Exploratory Techniques	Chapter 2 & 3		25 (T)	
					27(TH)	
3		Numerical Exploratory Techniques	Chapter 4	September	1 (T)	HW#1
					3 (TH)	
4	Language to Describe Uncertainty	Probability	Chapter 6		8 (T)	
					10 (TH)	HW#2
5		Discrete Random Variable	Chapter 7		15 (T)	
					17 (TH)	
6		Continuous Distributions (esp. Normal distribution)	Chapter 8		22 (T)	HW#3
					24 (TH)	
					29 (T)	
7		Review Session		October	1 (TH)	HW#4
		Exam 1 (120 mins): 2pm Oct. 1 (TH) -- 2pm Oct. 2 (F), CST				
8	Inferential Statistics	Sampling Distributions; Estimation	Chapter 9 & 10		6 (T)	**Midterm Survey**
					8 (TH)	
9		Hypothesis Testing (single population mean)	Chapter 11	October	13 (T)	HW#5
					15 (TH)	
10		Inference about Population Proportion	Chapter 12 & 13		20 (T)	
					22 (TH)	HW#6
11		Inferences on Two Populations (t Distribution)	Chapter 13		27 (T)	
					29 (TH)	
12	Predictive Statistics	Simple Linear Regression	Chapter 16	November	3 (T)	HW#7
					5 (TH)	
					10 (T)	
13		Review Session			12 (TH)	HW#8
		Exam 2 (120 mins): 2pm Nov. 12 (TH) -- 2pm Nov. 13 (F), CST				
14		Multiple Linear Regression	Chapter 17		17 (T)	
					19 (TH)	
15		**Summary and Review Session**			24 (T)	HW#9
		Final Exam (150 mins): 8am Dec. 3 (TH) -- 8am Dec. 4 (F), CST (tentative)				