ITSS3300 Information Technology for Business

Section 010 August 22, 2022 - December 8, 2022 10:00-11:15am Tuesday, Thursday JSOM 11.202

10:00-11:15AM 1UESDAY, 1HURSDAY JSOM 11.202

Professor's Contact Information

Professor:	Yihong Liu
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OFFICE HOURS: MS Teams; Monday & Friday, 2:00PM - 3:30PM

OTHER: The Professor will *only* consider incoming and outgoing messages from *official UT Dallas email accounts*. 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.

COURSE PRE-REQUISITES, CO-REQUISITES, AND/OR OTHER RESTRICTIONS

This course requires no restrictions.

COURSE DESCRIPTION

Examines key business processes in organizations and how information systems support the execution and management of these processes. The course focuses on using Information Technology (IT) and Information Systems (IS) to support decision-making, thus blending technical and managerial topics. Students will be exposed to principles of Information Technology and Information Systems and work directly with a variety of Information Systems tools and techniques such as Excel, Tableau, and relational database management systems. (3 semester credit hours)

STUDENT LEARNING OBJECTIVES/OUTCOMES

- □ Describe and model key business processes and apply knowledge of IT to support operational and strategic business processes.
- □ Apply IS visualization and analytic software to solve business problems.
- □ Understand core IS concepts within an organization such as data management, IT, enterprise systems, information systems management, and business intelligence that enable students to relate information systems to their field of study.
- Describe the evolving nature of IS and IT and their role in today's organizations.

TEXTBOOKS, MATERIALS AND SOFTWARE

Textbooks and Materials: This course requires *no* textbook. All materials will be distributed in class and online. Students must have a UT Dallas NetID and password to log into the eLearning server and access the course. Announcements, lecture materials, assignments, exams and grades will be posted in the course's eLearning site. Microsoft Teams will be used for lecture recordings and live communications. The official UT Dallas email system will be used for all communications. Students are responsible for keeping track of them. Two textbooks for students' reference include:



Title: Management Information Systems: Managing the Digital Firm Author: Laudon, K. C., & Laudon, J. P. Publisher: Pearson Education Year: 2021 ISBN-13: 978-0136971276



Title: Using MIS Author: Kroenke, D. M., & Boyle, R. Publisher: Pearson Education Year: 2021 ISBN-13: 978-0136921653

Technology: Students are required to have an Internet-enabled laptop for *every class* that meets or exceeds the University's minimum hardware specifications. The University offers many resources to help students, including financial aid and a technology loaner program. In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. See technical requirements on the Getting Started with eLearning.

Software: Microsoft Word and Excel (Office 365 site licenses), Tableau (student license), Oracle Live SQL, Lucid Chart or diagrams.net, Python (optional), Microsoft Teams, and UTD eLearning.

Note: Some assignments and exams will require the use and submission of Microsoft Excel or Word files. Submissions presented in a format different from the one specified in the assignment and exam descriptions will *not* be accepted or graded (e.g., Apple Numbers and Pages; Google Sheets and Docs).

Week	Date	Торіс	Assignment
1	23-Aug	Introduction	Essay
	25-Aug	Importance of MIS in Business	
2	30-Aug	Durnoss of IS in Business	
	1-Sep	Purpose of IS in Business	
3	6-Sep	Business Process and IS	BPM
	8-Sep	Business Frocess and 15	Drivi
4	13-Sep	Enterprise Applications	
	15-Sep	E-Commerce	
5	20-Sep		
	22-Sep	Excel Hands-on	Excel
6	27-Sep		
	29-Sep	Social Media	
7	4-Oct	Knowledge Management,	Voluntary
		Collaboration, Content Management,	Bonus
	6-Oct	and Artificial Intelligence	
8	11-Oct	Exam Review	
	13-Oct	Mid-Term Exam	
9	18-Oct	Information Security	Online Security & Privery
		(Online Recording)	Online Security & Privacy
	20-Oct		
		Tablaau Uanda on	Tablaau

TENTATIVE CALENDAR, ASSIGNMENTS, AND KEY DATES

Tableau Hands-on

Tableau

10	25-Oct 27-Oct		
11	1-Nov	IT Management	
11	3-Nov	11 Wanagement	
12	8-Nov	Data, Database,	
12	10-Nov	and Data Management	SQL
13	15-Nov	and Data Management	
15	17-Nov	Systems Development	
	17-1404	and Project Management	
14 -	22-Nov	Fall Break - Class Cancelled	
	24-Nov	Thanksgiving - Class Cancelled	
15	29-Nov	Business Intelligence	
	1-Dec	and Decision Making	
16	6-Dec	Excel Exam	
	8-Dec	Final Exam	

Table 1: Tentative Calendar, Assignments, and Key Dates

Note: Specific subjects for each class, due dates for each individual assignment, and any changes to this schedule will be announced in class or through eLearning. Students are responsible for keeping track of them.

Grade	Grade Interval
A+	[100, 105]
A	[93, 100)
A-	[90, 93)
B+	[87, 90)
В	[83, 87)
B-	[80, 83)
C+	[77, 80)
C	[73, 77)
C-	[70, 73)
D+	[67, 70)
D	[63, 67)
D-	[60, 63)
F	[0, 60)

Component	Points	
Exam 1	20	
Exam 2	20	
Assignment - Essay 1	5	
Assignment - BPM	10	
Assignment - Excel	10	
Assignment - Security Training	5	
Assignment - Tableau	10	
Assignment - SQL	10	
Attendance	10	
& Participation	10	
Bonus Assignment	5	
Total	105	

COURSE POLICIES

Grading:

Table 2: Grading Scale

Table 3: Points of All Components

This course will include a combination of activities and written assignments that may take place in class or on campus. Homework will include readings from research materials, assignments, and activities that usually require the students to complete some type of task. Each assignment will include detailed instructions, a due date, and criteria for grading from the Professor.

Students' grades will be based on the total points earned for all components in Table 3 and the corresponding letter grades in Table 2. All grades will be available timely in the system throughout the term.

Assignments: Assignments will generally be posted in eLearning, along with due dates and grading criteria.

Descriptions and instructions will also be provided.

All assignments must be submitted for grading into eLearning *before* the due dates. Assignment links in eLearning will be disabled after the due dates. *No emailed submissions* will be accepted. There will be *no makeup assignments*, nor will last-minute technical difficulties be considered regarding submissions to eLearning (unless being verified). Students may submit (and resubmit, as it is before the due date) interim work into eLearning, to ensure their work will be graded.

Please respect the academic honesty policy.

- All individual assignments are to be individual efforts.
- Copying the whole or part of homework or assignments from other students or materials of previous semesters is considered academic dishonesty. Turnitin is used to help prevent plagiarism.
- The posting of class work on public websites is considered academic dishonesty.
- Written assignments must adhere to the APA style guide of formatting, citing, and referencing.
- Retain confirmation of document delivery if submitted electronically.
- Complete and turn in academic exercises on time and in the required format.
- Late Work: Unless prior arrangements have been made and verified with the Professor, *no late submissions* will be accepted and thus they will not be graded. There may be a penalty of 20% deduction on grades per day (including weekends) for arranged late submissions.
- **Exams:** The Professor schedules *two non-cumulative* exams in advance. Makeup exams will be offered *only in justified circumstances*. It is recommended that students should start discussing exam rescheduling with the Professor at least 24 *hours* before the scheduled exam. If students miss any exam or contact the Professor after the exam without justification, it will be considered a missed exam and *no credit* will be given for missed exams. Points will be deducted if students *arrive late* to any exam.

Exams may be proctored, and further instructions will be provided. Note that proctored remote exams might require the student to have a broadcasting webcam.

Please respect the academic honesty policy.

- All exams are to be individual efforts.
- The act of copying the whole or part of exams from other students or from materials of previous semesters is considered academic dishonesty.
- Unless otherwise specifically authorized by the Professor, during the test, students in this course are not allowed to have with them any food or drinks, scratch paper, course materials, textbooks, notes, invisible ink pens, or electronic devices, including iPad, iPhone, iPod, MP3 Players, earphones, radios, smart phones, cameras, calculators, multi-function timepieces, or computers.
- When possible, students should sit in alternating seats, face forward at all times, and remove any clothing which might conceal eye movements, reflect images of others' work, or hide course material for copying.
- Exam proctors will monitor any communication or signaling between students by talking, whispering, or making sounds, or by using your hands, feet, other body movements, the test paper itself or your writing implement.
- Present UTD Comet Card.
- **Grade Appeals:** Students are encouraged to ask questions, raise issues, and make observations about their homework. Please be aware that if students have questions or issues with their assignment grades, their assignment submissions will be subject to regrading, which may or may not result in additional point deductions.

Students can appeal to the Professor in writing within *7 days* after the grades are posted if they believe that the grade they received on an assignment or an exam was unfair. The appeal should clearly state the reasons why students believe the grade to be unfair or the nature of the error. Overdue appeals will not be considered.

Class Attendance and Participation: Regular and punctual class attendance is expected. Regular class

participation is expected regardless of course modality. Students who fail to participate in class regularly or fail to attend class regularly are inviting scholastic difficulty. Class participation is documented by faculty. 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.

A component of the grade for this course is based on students' class attendance and participation. Methods for evaluating attendance and participation include periodic quizzes, discussion, group participation or other activities during class that solicit students' feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). There will be *no makeup* for missed attendance or participation activities (e.g., in-class assignments or quizzes).

Disruptive behavior hinders other students' ability to benefit from their in-class experience. Such behavior includes but is not limited to arriving late, leaving early, having side conversations, making comments which add no value to the class, and surfing the net irrelevant to class materials. *Lower or negative* class participation grades could be a result of disruptive behavior.

Extra Credit: TBD

- **Class Materials:** The Professor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are *for registered students' use only*. Classroom materials may *not be reproduced or shared* with those not in class, or *uploaded* to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the Student Code of Conduct.
- **Class Recordings:** 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 AccessAbility accommodation. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

The instructor may record meetings of this course. These recordings will be made available to all students registered for this class if the intent is to supplement the classroom experience. 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.

Classroom Citizenship: Students and the Professor are expected to maintain class decorum.

- 1. Class begins on time.
- 2. Be respectful in class.
- 3. Discussion, questions, and enthusiasm toward course materials are greatly appreciated.
- 4. Please *mute* your electronic devices during class. The use of electronic devices is *not permitted* unless (i) they are being used to fulfill requirements for teaching and learning (e.g., reading course materials and reference books, taking class notes, or answering in-class assignments and exams); (ii) they are not interrupting the class or distracting other students in the classroom. First-time offenders will have to turn off their electronic devices. Repeat offenders will have to hand their electronic devices to the Professor, which will be returned at the end of the class session.
- **Professor Response:** The Professor will respond to all student inquiries through the official UT Dallas email system within 24 *hours* (excluding holidays and weekends).
- Server Unavailability or Other Technical Difficulties: 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 Professor will provide an appropriate accommodation based on the situation. Students should *immediately* report any problems to the Professor and contact the online eLearning Help Desk.

The Professor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

CLASSROOM SAFETY, COVID-19, AND MONKEYPOX

To help preserve the University's in-person learning environment, UT Dallas recommends adhering to the University's COVID-19 Update (July 18, 2022) and health guidance on Comets United. The University encourages everyone to consider their personal level of risk and focus on prevention by getting vaccinated, masking, social distancing, covering coughs and sneezes, and practicing good hand hygiene.

Monkeypox is a rare disease caused by infection with the monkeypox virus. Monkeypox symptoms are similar to smallpox symptoms, but milder, and monkeypox is rarely fatal. If students have been exposed, they should avoid close contact with others and watch closely for any symptoms. If symptoms or a rash develops, contact your primary care provider (students may contact the Student Health Center by calling 972-883-2747), and self-isolate pending test results to avoid spreading the infection to others.

TECHNICAL SUPPORT

If you experience any issues with your UT Dallas account, contact the UT Dallas Office of Information Technology Help Desk via e-mail at Assist@UTDallas.edu or via telephone at 972-883-2911.

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 at eLearning@UTDallas.edu, and an online chat service. Please use this link to access the UTD eLearning Helpdesk.

STUDENT CONDUCT AND DISCIPLINE

The University of Texas System (Regents' Rule 50101) and UT 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 Student Complaints Resources in the online UT Dallas Undergraduate Catalog and the Graduate Catalog.

UT Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the Student Code of Conduct. Copies of these rules and regulations are available to students in the Office of Community Standards and Conduct, where staff members are available to assist students in interpreting the rules and regulations (SSB 4.400, 972-883-6330) and online at https://conduct.utdallas.edu.

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.

The Student Code of Conduct includes behaviors conducted via any digital platform. Students may *not use* any digital platform to seek or provide unauthorized assistance for any assignment done for academic credit. Students may *not use* any digital platform to impersonate or represent any person other than themselves. Please consult with your instructor regarding authorized assistance.

ACADEMIC INTEGRITY

The Professor expects from his 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. See https://conduct.utdallas.edu/integrity.

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, cheating, fabrication, and 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.

What Can You Do To Help:

- Prepare thoroughly for examinations and assignments.
- Take the initiative to prevent other students from copying your exam or assignments by shielding your answer sheet during examination, and not lending assignments to other students.
- Inform your instructor if you suspect someone is cheating.
- Do not look in the direction of other students' papers during examinations.
- Refuse to assist students who cheat.

Minimum Sanctions: Students in this course suspected of academic dishonesty are subject to disciplinary proceedings, and if found responsible, the following will be applied:

- Homework Zero for the Assignment
- Presentations Zero for the Assignment, if assigned
- Group Work Zero for the Assignment for all group members, if assigned
- Test and Paper F for the course

All episodes of suspected academic dishonesty will be reported according to university policy. Students who violate university rules about academic dishonesty are subject to disciplinary sanctions, including the possibility of failure in the course and/or dismissal from the university. Since such dishonesty harms the individual, all students and the university, policies about academic dishonesty will be *strictly enforced*. Additional information related to academic dishonesty and disciplinary procedure may be found at https://conduct.utdallas.edu/dishonesty and Student Code of Conduct.

COPYRIGHT NOTICE

It is the policy of UT 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 https://guides.lib.utexas.edu/fairuse/home. As a UT Dallas student, you are required to follow UT Dallas' copyright policy UTDPP1043 and the UT System's policy UTS107.

WITHDRAWAL FROM CLASS

The administration at UT Dallas has established deadlines for withdrawal from any course. These dates and times are published in the Comet Calendar and in the Academic Calendar. It is the student's responsibility to handle withdrawal requirements from any class. In other words, a professor or another instructor cannot drop or withdraw any student unless there is an administrative drop such as the following:

- Not meeting the prerequisites for a specific course
- Not satisfying the academic probationary requirements, resulting in suspension
- An Office of Community Standards and Conduct request
- Not making appropriate tuition and fee payments

- Enrollment is in violation of academic policy
- 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. Undergraduate students: please review the Dropping and Withdrawing section in the catalog.

STUDENT GRIEVANCE PROCEDURES

Procedures for student grievances are found in university policy 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.

Incomplete Grade Policy

As per university policy, incomplete grades may be given at the discretion of the instructor of record for a course, when a student has completed at least 70% of the required course material but cannot complete all requirements by the end of the semester. An incomplete course grade (grade of "I") must be completed within the time period specified by the instructor, not to exceed eight (8) weeks from the first day of the subsequent long semester. Upon completion of the required work, the grade of 'I' may be converted into a letter grade (A through F). If the grade of Incomplete is not removed by the end of the specified period, it will automatically be changed to a grade of F. The incomplete grade policy is included in the online UT Dallas Undergraduate Catalog and the Graduate Catalog.

Accommodations for Students with Disabilities

The University is committed to providing reasonable accommodations for all persons with disabilities. The syllabus is available in alternate formats upon request. If you are seeking classroom accommodations under the Americans with Disabilities Act (2008), you are required to register with the Office of Student AccessAbility (OSA), located in the Administration Building, Suite 2.224. Their phone number is 972-883-2098, the email is StudentAccess@UTDallas.edu and the website is https://studentaccess.utdallas.edu. To receive academic accommodations for this class, please obtain the proper Office of Student AccessAbility letter of accommodation and meet with the Director of OSA at the beginning of the semester.

Religious Holy Days

The University 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.

This information is also included in the online UT Dallas Undergraduate Catalog, and the Graduate Catalog.

MAKING A FALSE ALARM OR REPORT INVOLVING A PUBLIC OR PRIVATE INSTITUTION OF A HIGHER EDUCATION

Making a false threat at any Texas higher education institution is considered a **State Jail Felony**, not a Class A misdemeanor, according to a law passed by the Texas Legislature. This legislation was enacted in response to several threats in past years at several universities across the U.S. that disrupted classes and prompted evacuation of campus property, even though the reports turned out to be a hoax.

This law relates to the offense of making or causing a false alarm or report involving a public or private institution of higher education. A person commits an offense under Section 42.06, Texas Penal Code, if he or she knowingly initiates, communicates or circulates a report of a present, past, or future bombing, fire, offense, or other emergency that he or she knows is false or baseless and that would ordinarily:

- 1. Cause action by an official or volunteer agency organized to deal with emergencies;
- 2. Place a person in fear of imminent serious bodily injury; or
- 3. Prevent or interrupt the occupation of a building, room, place of assembly, place to which the public has access, or aircraft, automobile, or other mode of conveyance.

An individual adjudged guilty of a state jail felony shall be punished by confinement in a state jail for any term of not more than two years or less than 180 days and, in addition to confinement, may be punished by a fine not to exceed \$10,000.

UT Dallas students should be aware that the State of Texas takes these threats seriously, and the legal consequences, which are severe, go beyond anything that the University's disciplinary committee can address. This information is also included in the online UT Dallas Undergraduate Catalog and in the Graduate Catalog.

COURSE EVALUATION

At the end of each semester, every student at UT Dallas is required to complete an evaluation for each course they enroll in. Evaluation results are publicly available on CourseBook. Evaluation responses are anonymous. Student comments are not publicly available. Please look for the course evaluation link on the course Homepage towards the end of the course. Students who complete ALL their course evaluations will be given priority access to view their grades in CourseBook before grades are made available in Orion.

CARRY OF CONCEALED HANDGUNS

Senate Bill 11 (SB 11) of the 84th Texas Legislature permits individuals holding concealed handgun licenses to carry their weapons onto the campus and into the general buildings of the publicly governed institutions of higher education in Texas.

- The essential core facilities of the university, including classrooms, multi-person administrative offices, multi-person faculty and staff offices, libraries, and advisement and testing facilities, will all be accessible to individuals carrying concealed weapons in accord with their licenses and the law.
- Various laws pertaining to concealed handguns make their presence in some university facilities intrinsically inappropriate or illegal ("exclusion zones"). For these buildings, entry will be forbidden to students, employees, and visitors who are carrying concealed handguns.
- Responsibilities of individuals carrying concealed handguns include concealment, security, safety, and storage.
- Open carry is not allowed. If the license holder carries a visible handgun, or if the handgun is intentionally displayed in plain view of another person, it is considered a criminal offense.

UT Dallas students are required to follow UT Dallas' campus carry policy UTDPP1103. Failure to comply with this policy may result in criminal prosecution and discipline in accordance with applicable procedures.

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 SUPPORT RESOURCES

The information contained in the following link lists the Universitys academic support resources for all students. Please see https://go.utdallas.edu/academic-support-resources.

UT DALLAS SYLLABUS POLICIES AND PROCEDURES

The information contained in the following link constitutes the Universitys policies and procedures segment of the course syllabus. Please review the catalog sections regarding the credit/no credit or pass/fail grading option and withdrawal from class. Please go to https://go.utdallas.edu/syllabus-policies for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor. Last update on November 14, 2022.