



Course	ACCT / ITSS 4301 – Database Systems
Professor	John Hagen
Term	Fall 2025
Meetings	Sec 501 – Tuesday 7:00pm – 9:45pm JSOM 2.117 (Traditional in-classroom)

Professor's Contact Information

Office Location	Remote via MS Teams
Email Address	John.Hagen@utdallas.edu
Office Hours	By appointment
Office Assistance	Office hours are provided each week for assistance if needed. These are not a substitute for attending class.
Teaching Assistant	Vishwa Kotecha - VishwaRakesh.Kotecha@UTDallas.edu

General Course Information

Pre-requisites - Acct 2301 (Introductory Financial Accounting) with a C or better
And Acct 2302 (Introductory Management Accounting) with a C or better
And ITSS 3300 (Information Technology for Business)
And MATH 1325 or MATH 2413 or MATH 2417

Note: ACCT 4301 or ITSS 4301 may not be used to satisfy BS INTS degree requirements.

Course Description

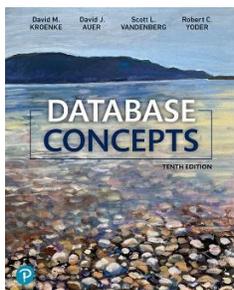
Introduces the basic concepts of relational databases. The emphasis is on relational database structure and the use of relational databases for query retrievals and report generation. Structured Query Language (SQL) will be covered extensively. Applications of databases for accounting, finance, marketing, and other areas of business will be discussed.

Learning Outcomes

1. Demonstrate an understanding of database concepts and terminology
2. Create a conceptual data model when requirements are provided
3. Convert a conceptual data model into a physical relational database structure
4. Write SQL statements using a relational database platform

Required Texts & Materials

Database Concepts by Kroenke, Auer, Vandenberg & Yoder. Pearson, 10th edition (@2024).
ISBN 9780137916788 | ISBN 0137916787 | ISBN-13: 9780137913817



Classroom Safety and Community Health

To help preserve the University's in-person learning environment, UT Dallas recommends the following:

Adhere to the University's [Community Health Guidelines](#)

Class Materials

The instructor 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](#).

Database Management System, Data Modeling, Data Visualization Software

To complete some of your assignments, you must utilize free educational versions of DBMS, data modeling, and data visualization software. Download and installation/access instructions for all software will be fully explained in class when required.

Assignments & Academic Calendar

See last page of the syllabus for class schedule.

Course Policies

Grading Criteria:

Grading in this class will consist of the following breakdown:

Item	% Of Final Grade
Quizzes	5.0%
Homework	10.0%
Test 1	25.0%
Assignments	30.0%
Final	30.0%
Total	100.0%

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Exams

Exams are outlined on your class schedule. **There will be a cumulative exam in this class.**

Make-up Exams

Make-up exams will be given **ONLY** for excused absences, which must be determined **prior** to the exam. Excused absences may be given for verifiable medical or family emergencies. Written documentation must be provided for substantiation of the absence. Students who do not show up for an exam, and for whom prior arrangements have not been made will receive a score of 0. There is no guarantee that the level of difficulty of the make-up exam will be compatible to that of the original test. All make-up exams will be taken at a time determined by the instructor.

Project / Assignments

The projects or assignment referenced in the points above will be assigned in class. Details and instructions will be posted on eLearning and reviewed during class. Assignments are due at the **beginning** of class on the due date as outlined in the syllabus, unless otherwise specified.

Extra Credit

There will be no extra credit available

Late Work

Late work is not accepted.

Suggested Homework

As appropriate, exercises from the text may be assigned for further reinforcement of the topics discussed. Answers to selected assignments will be posted on eLearning.

Classroom Citizenship

All students should respect each person's right to learn and attend this class. Please refrain from surfing, texting, and cell phone use during class.

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/>

Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the [Getting Started with eLearning](#) webpage.

Course Access and Navigation

This course can be accessed using your UT Dallas NetID account on the [eLearning](#) website. Please see the course access and navigation section of the [Getting Started with eLearning](#) webpage for more information.

To become familiar with the eLearning tool, please see the [Student eLearning Tutorials](#) webpage.

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UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The [eLearning Support Center](#) includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

Communication

This course utilizes online tools for interaction and communication. Some external communication tools such as regular email and a web conferencing tool may also be used during the semester. For more details, please visit the [Student eLearning Tutorials](#) webpage for video demonstrations on eLearning tools.

Student emails and discussion board messages will be answered within 3 working days under normal circumstances.

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.

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 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.

Field Trip Policies, Off-Campus Instruction and Course Activities

Off-campus, out-of-state, foreign instruction/travel, and course-related field trip activities are subject to state law and University policies and procedures regarding travel and risk-related activities. Detailed information regarding this policy, in accordance to *Texas Education Code*, Section 51.950, can be accessed at the UT Dallas Policy Navigator: <http://policy.utdallas.edu/utdbp3023>, and at <http://www.utdallas.edu/administration/insurance/travel>. Additional information is available from the office of the school dean.

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 Code of Conduct, UTDSP5003 (<http://policy.utdallas.edu/utdsp5003>). 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, 972-883-6391) and online at <https://www.utdallas.edu/conduct/>.

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.

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.

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Academic dishonesty includes plagiarism, 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/>.

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, UTS107 at <http://www.utsystem.edu/board-of-regents/policy-library/policies/uts107-use-copyrighted-materials>.

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 Office of Information Technology 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>.

Class Attendance

Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. Absences may lower a student's grade where class attendance and class participation are deemed essential by the instructor. This course does not have special attendance requirements.

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 (<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
- Office of Community Standards and Conduct 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.

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.

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 symbol '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 F.

AccessAbility Services

It is the policy and practice of The University of Texas at Dallas to make reasonable accommodations for students with properly documented disabilities. However, written notification from the Office of Student AccessAbility (OSA) is required. If you are eligible to receive an accommodation and would like to request it for this course, please discuss it with your professor and allow one-week advance notice. 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 OSA for a confidential discussion. OSA is located in the Student Services Building, SSB 3.200. They can be reached by phone at 972-883-2098, or by email at studentaccess@utdallas.edu.

Religious Holy Days

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 consider 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.

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 online 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.

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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.

The online version of these University policies and procedures can be found here:

<http://go.utdallas.edu/syllabus-policies>

Academic Support Resources

The information contained in the following link lists the University's academic support resources for all students. Please go to [Academic Support Resources](#) webpage for these policies.

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.”

ACCT / ITSS 4301 – Section 501
Tuesday 7:00pm – 9:45pm

Week	Date	Topic	Quizlets / Homework / Assignments (Due 7pm – Day of Class)
1	26-Aug	<ul style="list-style-type: none"> Class overview Ch 1 - Database Concepts 	
2	2-Sep	<ul style="list-style-type: none"> Ch 2 – The Relational Model (Part 1) 	1. Quizlet Chapt. 1 2. Exercise pp.79: 1.43 and 1.45
3	9-Sep	<ul style="list-style-type: none"> Ch 2 – The Relational Model (Part 2) 	1. Quizlet Chapt. 2 2. Garden Glory p. 146: a-b
4	16-Sep	<ul style="list-style-type: none"> Ch 4 – Entity Relationship Modeling (Part 1) LucidChart 	Assignment 1
5	23-Sep	<ul style="list-style-type: none"> Ch 4 – Entity Relationship Modeling (Part 2) 	Quizlet Chapt. 4
6	30-Sep	<ul style="list-style-type: none"> Ch 5 – Database Design Test Review 	GG p. 364: a-b (Must use LucidChart; refer to p.274)
7	7-Oct	### Test 1 (Ch 1,2,4,5) [UTD Testing Center]	Quizlet Chapt. 5
8	14-Oct	#### [JSOM 1.211 (Computer Lab)] #### <ul style="list-style-type: none"> Ch 3 – SQL (Intro) 	
9	21-Oct	#### [JSOM 1.211 (Computer Lab)] #### <ul style="list-style-type: none"> Ch 3 – SQL Queries 	Assignment 2
10	28-Oct	#### [JSOM 1.211 (Computer Lab)] #### <ul style="list-style-type: none"> Ch 3 – SQL Queries 	GG p. 276 a,b,d (download insert data from eLearning)
11	4-Nov	#### [JSOM 1.211 (Computer Lab)] #### <ul style="list-style-type: none"> Intermediate SQL Queries 	GG p. 276 e-h (for “h”, ignore DISTINCT keyword question)
12	11-Nov	#### [JSOM 1.211 (Computer Lab)] #### <ul style="list-style-type: none"> Intermediate SQL Queries / Concepts 	GG p. 276 i-p (for “I”, “use a subquery” means no join syntax allowed)
13	18-Nov	#### [JSOM 1.211 (Computer Lab)] #### <ul style="list-style-type: none"> Advanced SQL Queries / Concepts 	
14	25-Nov	Fall Break – No Class	
15	2-Dec	#### [JSOM 1.211 (Computer Lab)] #### <ul style="list-style-type: none"> Advanced SQL Queries / Concepts Test Review 	Assignment 3
16	9-Dec	## Final (Semester cumulative) [UTD Testing Center]	

The descriptions and timelines contained in this syllabus are subject to change at the instructor’s discretion