

Course Syllabus

Course Information

Course Prefix, Number, Section ITSS 4301.001
Course Title Database Systems

Term Spring 2019
Days & Times Tuesdays 4-6:45pm

Professor Contact Information

Professor Ravishankar Narayan
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Other Phone
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Office Location JSOM 3.805
Office Hours Tuesdays and Wednesdays 1:45pm-3:45pm
Other Information

Course Pre-requisites, Co-requisites, and/or Other Restrictions

Course Description

Introduces the basic concepts for the design and development of relational databases and database management. Topics include entity-relationship data model, logical database design, data administration, Structured Query Language, and database management issues, such as concurrency control, data security, and integrity. A database management system software package is used to implement working database systems. Neither ACCT 4300 nor ITSS 4300 can be used to satisfy degree requirements for BS MIS majors. Topics will be discussed in the context of Accounting Information Systems.

Student Learning Objectives/Outcomes

Upon completion of this course, the student will:

1. Demonstrate understanding of basic database concepts and terminology
2. Demonstrate ability to create a conceptual data model when requirements are provided
3. Demonstrate ability to write SQL statements
4. Demonstrate understanding of how accounting information systems gather and transform data into useful decision-making information

Required Textbooks and Materials

Required Texts

SQL Queries for Mere Mortals by John L. Viescas and Michael J. Hernandez. Addison-Wesley. ISBN-13: 978-0-321-99247-5; ISBN-10: 0-321-99247-4

Required Materials

Slides and Related Content provided in eLearning. eLearning will be used for class content (e.g., class slides and assignment descriptions) and the recording of grades. Slides will be posted in eLearning before class is held. Class announcements (e.g., change in assignment dates) will be

sent to the student email on record in eLearning. It is the students' responsibility to regularly check their UT Dallas email accounts.

Suggested Course Materials

Core Concepts of Accounting Information Systems, 14th Edition by Mark G. Simkin, James L. Worrell and Arline A. Savage, Wiley Publishing (2018), ISBN: 978-1-119-37354-4

Suggested Materials

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Assignments & Academic Calendar

Topics, Reading Assignments, Due Dates, Exam Dates

Foundations of Database Systems (Jan 14-Feb 10)

Overview of Relational Databases

Modeling relational databases

Homework 1: Due on Feb 8, 11:59pm

Quiz 1: Feb 18 in class

Querying one table in a database (Feb 18-Mar 3)

SQL Basics

Homework 2: Due on Feb 22, 11:59pm

Quiz 2: Mar 4 in class

Test 1: Mar 11 at Student Testing Center

Spring Break: No class, Mar 18

Querying Multiple tables in a database (Mar 25-April 7)

Homework 3: Due on April 5, 11:59pm

Quiz 3: April 8 in class

Summarizing, Grouping and Modifying Data (Apr 8-May 3)

Homework 4: Due on April 19, 11:59pm

Test 2: As per UTD Final Exam Schedule, at Student Testing Center

Grading Policy

Grading Criteria

- Assignments (4) 100 points
- Quizzes (3) 60 points
- Tests (2): 120 points
- Class Attendance and Participation: 20 points

Scaled Score	Letter Equivalent	Percentage
>= 270 and above	A	90
>= 261 and < 270	A-	87
>= 249 and < 261	B+	83
>= 240 and < 249	B	80
>= 231 and < 240	B-	77
>= 219 and < 231	C+	73
>= 200 and < 219	C	66
Less than 200	F	60

Course Policies

Make-up exams

None

Extra Credit

None

Late Work

Will not be accepted; assignments are due by the due dates provided in elearning.

Special Assignments

None

Class Attendance

Class attendance and participation will be part of the grade – students are expected to actively discuss their viewpoints in class, participate in online discussions and make presentation(s) in class

Classroom Citizenship

Meaningful Class Participation: You are expected to actively participate in the discussion of readings, contribute to the learning experience of the class, and meaningfully contribute to all group project work. A peer evaluation will be performed to assess group project participation. Respect and Dignity: At UT Dallas we appreciate and foster the many advantages that come from working in a diverse community where everyone is treated equitably, with dignity and respect.

The University of Texas at Dallas 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, 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.

Students are expected to recognize and respect a diversity of backgrounds and opinions among their fellow students. They should demonstrate respect for all students as an individual, recognizing that students may bring differing backgrounds, opinions and insights into the classroom.

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.”

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.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.