

Introduction to Database Systems

Course Syllabus

Course Description

This course emphasizes the concepts and structures necessary for the design and implementation of database management systems. Topics include data models, data normalization, data description languages, query facilities, file organization, index organization, file security, data integrity, and reliability.

Course Information

Course Title: Database Systems
Course Number: CS/SE 4347.0U2
Term: Summer 2019
Meeting At: Tuesday and Thursday @ 3:00pm-5:15pm in JSOM 2.103
Credit Hours: 3

Instructor's Contact Information

Name: Dr. Michael Christiansen
Office Number: 972 883 6906 Note: email is only reliable method of leaving messages
Email: michael.christiansen@utdallas.edu
Office: ECSS 4.201
Office Hours: Tuesday and Thursday 1:00 - 2:00 and by appointment.
eLearning Site: Our eLearning site contains all announcements, slides, assignments, and other materials for this course.

Teaching Assistant Contact Information

Name: TBD
Office Hours: TBD
Office: TBD
Email Address: TBD

Academic Calendar

- Classes Start: 5/23
- Last Day of Class: 8/1
- Midterm Exam: 6/20 During Class
- Final Exam: 8/1 During Class

See the official UTD calendar for university holidays and closings [here](#).

Course Prerequisites

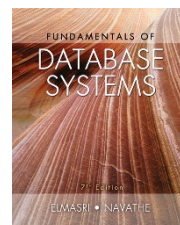
1. CS/CE/SE 3345 Data Structures

Course Learning Goals

1. Understand Data Modeling.
2. Understand the Relational Model and theory.
3. Understand normalization of relations.
4. Gain a fundamental understanding of SQL programming.
5. Understand data organization methods, indexing, and query processing.
6. Understand database integrity and concurrency.

Required Textbook

Fundamentals of Database Systems Seventh Edition.
Ramez Elmasri & Shamkant B. Navathe.
ISBN-13: 978-0133970777



Other reading materials as provided in the “Supplemental Materials” folder of the eLearning site.

Grading Policy

The grade will be determined as follows:

- The final course grade will be calculated against the following factors:

Programming Projects	20 %
Homework Assessments	10 %
SQL Assignments	10%
Class Attendance	5 %
Midterm Exam	20 %
Final Exam	35 %

- **No bonus work, make-up work, dropped scores, or other means of raising your grade will be provided.**

Classroom Policy

Students with four consecutive unexcused absences will fail the course.

Students with three consecutive unexcused absences will have their final grade reduced by one letter grade for every infraction.

Attendance will be taken and verified for every class meeting. Cheating on the roll will be reported as academic dishonesty.

**University policies can be found by visiting <http://go.utdallas.edu/syllabus-policies>.
The materials in this syllabus are subject to change at the professor's discretion.**