Database Systems
Course Syllabus

Spring 20 Coronavirus Accommodations

This section describes the adjustments to the course lectures and policies caused by Coronavirus.

Attendance of scheduled lectures will be collected for the remainder of the semester and combined with attendance collected during live lectures to calculate the final course grade as described below. Attendance will be collected using eLearning Collaborate which records students logged into the session and for how long. Collecting attendance of online lectures is the department's policy

The second project has been canceled. The first project will count for the full project contribution to the course final grade as described below.

There will be at least two additional assessments.

Online lectures will start at the course start dates and times. Lectures will be held using Blackboard Collaborate. The Collaborate course room is found on the course's eLearning page. The online lectures will limit student participation to chat only, and that I may not answer questions immediately. This is my first time with online lectures and there is much material to get through. Please keep the discussion to the presented materials. If you wish to discuss policy or other subjects, please use MS Team or email.

Recordings of the online lectures will be available in the Blackboard Collaborate Course Room.

I am available specifically during office hours and generally most days on Microsoft Team. Please download and install team if you wish to contact me directly. You can also email me and I will respond ASAP.

The final exam will be open book and open notes. Like the midterm exam, the final exam will cover the materials presented in the assessment questions / answers provided on eLearning. The final exam is not comprehensive. I need to update the exam and will release an Exam Study Guide. Unlike the midterm, the exam will be multiple choice with the possibility of a fill in blank' style. There will be no written questions. The exam will be taken on eLearning and will be made available on the original final exam date given below. Further decision regarding the format of the exam will be made shortly.

I hope that everyone and their families are safe.

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 4347.501
Term:	Spring 20
Meeting At:	Tuesday & Thursday 7:00pm - 8:15pm in ECSW 3.210
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:	Monday and Wednesday 1:00PM to 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: Mirazul Haque
Office Hours: Tuesday and Thursday from 02:00 PM - 03:00 PM
Office: ECSS 4.620
Email Address: mxh170530@utdallas.edu

Academic Calendar

- Classes Start: 1/13
- Last Day of Class: 4/30
- Midterm Exam: Wednesday 2/27 During Class
- Final Exam: Thursday, 5/7, Time TBD on eLearning

See the official UTD calendar for university holidays and closings here.

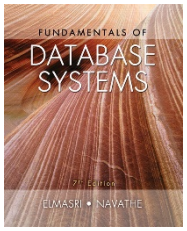
Course Prerequisites

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 Assignments	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. This is department policy.

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

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.