

# MIS 6326 (Data Management) Course Syllabus Fall 2025

## Course Information

**Course Number:** MIS 6326 Sec 501  
**Title:** Data Management  
**Term:** Fall 2025  
**Class Hours:** Tues 7:00–9:45PM  
**Location:** JSOM 2.112

## Instructor Information

**Name:** Young U. Ryu  
**Phone Number:** 972-883-4065  
**Email:** ryoung@utdallas.edu  
**Office Location:** SOM 3.426  
**Office Hours:** Tues 6:00–6:50PM or by appointment

## Course Prerequisite

There is no prerequisite required for MIS 6326.

## Course Description

The main subjects of the course include the understanding of relational database theories, industry standard SQL, and database design. A conceptual/semantic data modeling with the entity-relationship diagramming technique is also covered.

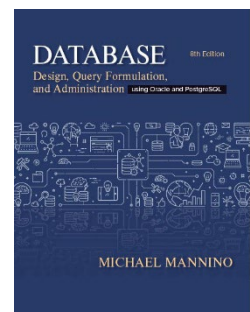
## Learning Objectives

- Understanding relational database concepts
- Being able to create a database using the entity-relationship modeling technique
- Being able to manipulate a database using the SQL language

## Required Textbook

Michael Mannino. *Database Design, Query Formulation, and Administration* (8th Edition). SAGE Publication, 2022. (ISBN: 9781948426954 for paperback, 9781071927502 for ebook).

- Textbooks can be ordered online or purchased at the UT Dallas Bookstore (<http://www.bkstr.com/texasatdallasstore/home>).
- Less expensive electronic rental options are available at the textbook Web site (<https://us.sagepub.com/en-us/nam/database-design/book287841>) or other Web sites. (Do Google search for them.)



## Other Course Materials

- **Class Notes:** Class notes are available at the UTD eLearning site (<https://elearning.utdallas.edu/>).
- **Database Systems Software:** *Microsoft SQL Server*, *MySQL*, *PostgreSQL*, or *Oracle Database* will be used as the main SQL platform. *Microsoft Visio* or *Visual Paradigm Community Edition* will be used for data modeling. (Detailed installation notes will be provided.)
- **Scores and Grade:** Assignments and exam scores as well as the estimated final grade will be posted at the UTD eLearning site.

## Assignments

**Individual Assignments:** There will be one SQL assignment and one data modeling assignment.

- Assignments will be posted at the eLearning site and must be submitted at the eLearning site.
- *Individual assignments must be done by individual students, not a group.*

## Exams

There will be two exams. Detailed exam formats will be announced later.

## Academic Calendar

	Date	Text	Descriptions	Notes
1	8/26	Syllabus Ch. 1	• Course Introduction • Introduction to Database Management	
2	9/2	Ch. 3	• The Relational Data Model	
3	9/9	Chs. 5 & 6	• Entity Relationship Modeling	
4	9/16	Chs. 5 & 6	• Entity Relationship Modeling	
5	9/23	Chs. 5 & 6	• Entity Relationship Modeling	
6	9/30	Ch. 7	• Normalization of Relational Tables	Assignment 1 Due
7	10/7	<b>Exam 1</b>	• <b>Chs. 1, 3, 5, 6, 7</b>	
8	10/14	Ch. 4 & 9	• Structured Query Language	
9	10/21	Ch. 4 & 9	• Structured Query Language	
10	10/28	Ch. 4 & 9	• Structured Query Language	
11	11/4	Ch. 4 & 9	• Structured Query Language	
12	11/11	Ch. 4 & 9	• Structured Query Language	
13	11/18	Ch. 10	• Views	Assignment 2 Due
14	11/25	No Class: Fall Break & Thanksgiving Holidays		
15	12/2	Ch. 17	• Transaction Management	
16	12/9	<b>Exam 2</b>	• <b>Chs. 4, 9, 10, 17</b>	

## Grading Policy

- Exam 1 ..... 40%
- Exam 2 ..... 50%
- Assignment 1 ..... 5%
- Assignment 2 ..... 5%

Letter grades will be assigned based on the following formulae:

- A if  $\text{total\_score} \geq 93$
- A- if  $90 \leq \text{total\_score} < 93$  or } total\_score belongs to top 40%
- B+ if  $86 \leq \text{total\_score} < 90$
- B if  $83 \leq \text{total\_score} < 86$  or } total\_score belongs to top 80%
- B- if  $80 \leq \text{total\_score} < 83$
- C if  $60 \leq \text{total\_score} < 80$  or } total\_score belongs to bottom 20%
- F if  $\text{total\_score} < 60$

## Course and Instructor Policy

**Late Assignment:** Late assignment returns are subject to penalties:

1 day late ..... 15% penalty      after the 2nd day ..... not accepted

**Makeup Exams:** There will be no make-up exams, except for medical emergency (written statement justifying the situation from a physician required). The written statement should include the physician's address and phone number for the verification purpose.

### **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 University's academic support resources for all students.

Please see <http://go.utdallas.edu/academic-support-resources>.

### **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 review the catalog sections regarding the credit/no credit or pass/fail grading option and withdrawal from class.

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.*