

Course Syllabus

MIS6326 OW1 Data Management

Jindal School of Management
The University of Texas at Dallas

[Course Info](#) | [Tech Requirements](#) | [Access & Navigation](#) | [Communications](#) | [Resources](#)
[Assessments](#) | [Academic Calendar](#) | [Academic Integrity](#) | [Course Evaluation](#) | [UTD Policies](#)

Course Information

Course

Course Number Section	MIS 6326.0W1
Course Title	Data Management
Term and Dates	Spring 2015, January 12, 2015 – May 11, 2015

Professor Contact Information

Professor	Young U. Ryu
Office Phone	972-883-4065
Email Address	ryoung@utdallas.edu
Office Location	SOM 3.426
Online Office Hours	by appointment

About the Instructor

Young Ryu is Associate Professor of Information Systems. He has been teaching various MIS courses including Database Management Systems. His main research areas are data-mining applications and information security management. His Ph.D. degree in Information Systems was from The University of Texas at Austin in 1992.

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

Competence in personal computing (e.g., operating system/environment, word processing software, electronic spreadsheet, personal database software, network applications such as e-mail and World Wide Web).

Course Description

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

Student Learning Objectives/Outcomes

Development of Knowledge Foundation

- Students will be able to describe relational database concepts and their relevance to information systems development and management.

Application of Knowledge in Information Technology

- Students will be able to design/create a database using the entity relationship modeling technique.
- Students will be able to manipulate a database using the SQL language.

Application of Knowledge in Business Practice

- Students will be able to create various data queries relevant to functional areas.

Required Textbooks and Materials

Required Texts

- *Michael V. Mannino. Database Design, Application Development, and Administration (6th Edition). Chicago Business Press (Distributed by Ingram Book Company), 2015. (ISBN: 978-0-9833324-2-8).*



Textbooks and some other bookstore materials can be ordered online through [Off-Campus Books](#) or the [UTD Bookstore](#). They are also available in stock at both bookstores.

Course Policies

Makeup Exams

The final exam must be taken during the specified period. No makeup final will be given, except for documented/verified emergencies (e.g., medical).

Extra Credit

Under no circumstance, an extra project or assignment or any sort will be given to "boost" individual students' grades. Absolutely no exception!

Late Work

For each assignment, there will be primary due date and secondary due date posted. Assignments turned in by the primary due date will be accepted without any penalty; assignments turned in by the secondary due date (which is 1 day after the posted primary due date) will be subject to 15% penalty. No assignments will be accepted after the secondary due date.

Class Participation

Students are required to login regularly to the online class site. The instructor will use the tracking feature in eLearning to monitor student activity.

Virtual Classroom Citizenship

The same guidelines that apply to traditional classes should be observed in the virtual classroom environment. Please use proper netiquette when interacting with class members and the professor.

Policy on Server Unavailability or Other Technical Difficulties

The university is committed to providing a reliable online course 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 extend the time windows and provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the UTD eLearning Help Desk:

<http://www.utdallas.edu/elearninghelp>, 1-866-588-3192. The instructor and the UTD eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

[Top](#)

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](#).

[Top](#)

Course Access and Navigation

This course was developed using a web course tool called eLearning. It is to be delivered entirely online. Students will use their UTD NetID account to login at: <http://elearning.utdallas.edu>. Please see more details on [course access and navigation information](#).

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

UTD provides eLearning technical support 24 hours a day/7 days a week. The services include a toll free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service. Please use this link to access the UTD eLearning Support Center:

<http://www.utdallas.edu/elearninghelp>.

[Top](#)

Communications

This eLearning course has built-in communication tools which will be used 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 [eLearning Tutorials webpage](#) for video demonstrations on numerous tools in eLearning.

Interaction with Instructor

The instructor will communicate with students mainly using the Announcements and Discussions tools. Students may send personal concerns or questions to the instructor using the course email tool. The instructor will reply to student emails or Discussion board messages within 3 working days under normal circumstances.

[Top](#)

Student Resources

The following university resources are available to students:

UTD Distance Learning:

<http://www.utdallas.edu/elearning/students/cstudents.htm>

McDermott Library:

Distance Learners (UTD students who live outside the boundaries of Collin, Dallas, Denton, Rockwall, or Tarrant counties) will need a UTD-ID number to access all of the library's electronic resources (reserves, journal articles, ebooks, interlibrary loan) from off campus. For UTD students living within those counties who are taking online courses, a Comet Card is required to check out materials at the McDermott Library. For more information on library resources go to <http://www.utdallas.edu/library/distance.html>.

[Top](#)

Student Assessments

Grading Information

Weights

Assignment 1	10 points	10% if counted
Assignment 2	10 points	10% if counted
Assignment 3	10 points	10% if counted
Assignment 4	10 points	10% if counted
Assignment 5	10 points	10% if counted
Online Short Quiz 1	10 points	10% if counted

Online Short Quiz 2	10 points	10% if counted
(2 out of 7 assignments/quizzes with lowest scores will be dropped.)		
Exam	50 points	50%
Total	100 points	100%

Grading Scale

Scaled Score	Letter Equivalent
90% or higher	A
75% or higher	B
60% or higher	C
lower than 60%	F

Accessing Grades

Students can check their grades by clicking “My Grades” on the course menu after the grade for each assessment task is released.

Assignments

There will be 5 assignments: one on relational algebra operations (Chapter 3), two on entity relationship data model (Chapters 5 & 6), and two on SQL (Chapters 4 & 9). Each assignment will cover 10% of the final grade. Please see the Assignments link on the course menu and find assignment details in the attached assignment file(s) under each assignment link. (Note: There are 5 assignments & 2 quizzes; 2 of them with lowest scores will be dropped.)

Assignment submission instructions

Locate the assignment in your eLearning course. You will submit your assignments in the required file format with a simple file name and a file extension. To submit your assignment, click the assignment name link and follow the on-screen instructions to upload and submit your file(s). For additional information on how to submit assignments, view the [Submitting An Assignment video tutorial](#).

Please Note: Each assignment link will be deactivated after the assignment due time. After your submission is graded, you may go to My Grades on the course menu and click the score link to check the results and feedback.

Online Tests/Quizzes

There will be two short quizzes: one on relational data model concepts (Chapters 1 and 3) and the other on database management (Chapters 14 & 15). Each quiz will consist of 20 multiple-choice or true-false questions, which must be completed within one hour. (Note: There are 5 assignments & 2 quizzes; 2 of them with lowest scores will be dropped.)

You can access quizzes/exams by clicking the quiz/exam link on the designated page. Each quiz is timed, and the number of attempts allowed within a scheduled time window will be specified. Please read the on-screen instructions carefully before you click "Begin". After each quiz is graded and released, you may go to My Grades page and click the score link of the quiz to view your graded submission.

Final Examination

The *comprehensive* final exam covers all chapters and materials studied during the whole semester. It is a closed book exam, which includes multiple-choice/true-false, short essay, SQL script composition, entity-relationship diagramming, and problem-solving questions. The exam is to be taken either on campus or at a proctored site. It will take 2 hours. No Scantron form is required.

Proctored Final Exam Information

This course requires a proctored final examination. Local students can now take their exams on-campus at the **UTD Student Success Center - Testing Center** (no fee charge) during **Fri. May 8, 9 am - 10 pm and Sat. May 9, 9 am - 1 pm**. Please see the [UTD Student Success Center - Testing Center Website](#) for more information and check the hours of operation and testing center policies. Please be sure to view and follow the [Test Center Student Guidelines](#). This exam is scheduled with multiple-day exam time window, students are required to make an appointment using the [RESERVE-A-SEAT](#) application to take the exam during the required exam test window as specified. The UTD Testing Center is located at the McDermott Library basement (**Room MC 1.304**). When you arrive to take your exam, you will sign in with your **Comet Card** (or a **photo ID & UTD ID number** if you do not have a Comet Card).

Students who find UTD geographically inconvenient may use a testing service of their choice at a convenient location to have the exam proctored. All exams must be completed within this required exam time window: **Wednesday May 6 - Friday May 8**. All students must inform the instructor of their outside testing location. A proctored exam application **must** be completed before **April 10**. Please go to the [Proctored Exam Information](#) page to check out **Procedures for Arranging an Individual Proctored Exam** and to access and complete the **Online Proctored Exam application**. Please note students are responsible for any fee charge of their testing services. All completed exams must be received by **Monday May 11** to allow timely grade reporting to the UTD Registrar.

The UTD Testing Center requests all students strictly follow the proctored exam scheduling deadlines. If any student needs special accommodations, please seek the instructor's approval in advance. If you have any questions about using either UTD or outside testing center service, please email TestingCenter@utdallas.edu.

[Top](#)

Academic Calendar

WEEK	STARTING DATE	TOPIC	READING	ASSIGNMENT / ACTIVITY
1	1/12/2015	Course Introduction Introduction to Database	Ch. 1	
2	1/19	Relational Data Model	Ch. 3	Quiz 1 (1/24-1/26)
3	1/26	Entity Relationship Modeling	Ch. 5	Assign 1 due (2/2)
4	2/2	Entity Relationship Modeling	Ch. 5	
5	2/9	Entity Relationship Modeling	Ch. 6	
6	2/16	Entity Relationship Modeling	Ch. 6	Assign 2 due (2/23)
7	2/23	Normalization	Ch. 7	
8	3/2	SQL	Ch. 4	Assign 3 due (3/9)
9	3/9	SQL	Ch. 4	
10	3/16	Spring Break		
11	3/23	Database Administration	Ch. 14	Assign 4 due (3/30)
12	3/30	Transaction Management	Ch. 15	Quiz 2 (4/4-4/6)
13	4/6	Advanced SQL	Ch. 9	
14	4/13	Advanced SQL	Ch. 9	
15	4/20	Advanced SQL	Ch. 9	Assign 5 due (4/27)
16	4/27	View	Ch. 10	
17	5/4 Final Exam	On-campus exams at UTD Testing Center: May 8 or May 9 . Individually proctored exam: May 6 – May 8 . (Proctored exam application form due: April 17 .) All exams must be received by May 11 .		

[Top](#)

Academic Integrity

The University has policies and discipline procedures regarding academic dishonesty. Detailed information is available on the [UTD Judicial Affairs](#) web page. All students are expected to maintain a high level of responsibility with respect to academic honesty. Students who violate University rules on academic honesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.

[Top](#)

Course Evaluation

As required by UTD academic regulations, every student must complete an evaluation for each enrolled course at the end of the semester. An online instructional assessment form will be made available for your confidential use. Please watch for the email notification at your UTD email inbox with course evaluation access information towards the end of semester.

[Top](#)

University Policies

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.

These descriptions and timelines are subject to change at the discretion of the professor.

[Top](#)