

# Course Syllabus

## MIS6326 OW1 Data Management

Jindal School of Management  
The University of Texas at Dallas

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### Course Information

#### Course

Course Number Section	MIS 6326.0W1
Course Title	Data Management
Term and Dates	Summer 2016, May 23, 2016 – August 11, 2015

#### Professor Contact Information

Professor	Young U. Ryu
Office Phone	972-883-4065
Email Address	<a href="mailto:ryoung@utdallas.edu">ryoung@utdallas.edu</a>
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 <http://www.offcampusbooks.com> or the UT Dallas Bookstore <http://www.bkstr.com/texasatdallasstore/home>. They are also available in stock at both bookstores.

Less expensive electronic rental/purchase options are available at the textbook Web site (<http://www.mmannino.com>).

Only the 6th edition is used in the class. *The 5th or earlier editions are not acceptable textbooks.*

### **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.

## 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 <http://www.utdallas.edu/elearning/students/getting-started.html#techregs> on the Getting Started with eLearning webpage <http://www.utdallas.edu/elearning/students/getting-started.html>.

## Course Access and Navigation

The course can be accessed using the UT Dallas NetID account at: <https://elearning.utdallas.edu>. Please see the course access and navigation <http://www.utdallas.edu/elearning/students/getting-started.html#courseaccessandnav> section of the site for more information.

To become familiar with the eLearning tool, please see the Student eLearning Tutorials <http://www.utdallas.edu/elearning/students/eLearningTutorialsStudents.html>.

UT Dallas provides eLearning technical support 24 hours a day/7 days a week. The eLearning Support Center <http://www.utdallas.edu/elearninghelp> services include a toll free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

## Communications

This course utilizes online tools 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 <http://www.utdallas.edu/elearning/students/eLearningTutorialsStudents.html> for video demonstrations on eLearning tools.

Student emails and discussion board messages will be answered within 3 working days under normal circumstances.

## Distance Learning Student Resources

Online students have access to resources including the McDermott Library, Academic Advising, The Office of Student AccessAbility, and many others. Please see the eLearning Current Students page <http://www.utdallas.edu/elearning/students/cstudents.htm> for details.

## Server Unavailability or Other Technical Difficulties

The University is committed to providing a reliable learning management 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 provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the online eLearning Help Desk <http://www.utdallas.edu/elearninghelp>. The instructor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

## 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 ([http://ondemand.blackboard.com/r91/movies/bb91\\_student\\_submit\\_assignment.htm](http://ondemand.blackboard.com/r91/movies/bb91_student_submit_assignment.htm)).

**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 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* paper-based (not online) 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 at the UTD Testing Center or at an off-campus proctored site. It will take 2 hours. No Scantron form or bluebook 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** (<http://www.utdallas.edu/studentssuccess/testingcenter/index.html>) during **Fri. August 5, 9 am - 9 pm** or **Sat. August 6, 9 am - 1 pm**. Please see the **Proctored Exams for UT Dallas Online Courses** ([http://www.utdallas.edu/studentssuccess/testingcenter/proctored\\_exams/index.html](http://www.utdallas.edu/studentssuccess/testingcenter/proctored_exams/index.html)) for more information and check the hours of operation and testing center policies.

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: **Thursday August 4 - Friday August 5**. All students must inform the instructor of their outside testing location. A proctored exam application **must** be completed before **July 8**. Please go to the **Proctored Exams for UT Dallas Online Courses** ([http://www.utdallas.edu/studentssuccess/testingcenter/proctored\\_exams/index.html](http://www.utdallas.edu/studentssuccess/testingcenter/proctored_exams/index.html)) 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 August 8** to allow timely grade reporting to the UTD Registrar. Note that the final exam is paper-based (not online). So, students are not allowed to use the ProctorU.com service.

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](mailto:TestingCenter@utdallas.edu).

## Academic Calendar

WEEK	STARTING DATE	TOPIC	READING	ASSIGNMENT / ACTIVITY
1	5/23/2016	Introduction to Database Relational Data Model	Ch. 1 Ch. 3	Quiz 1 (6/4-6/6)
2	5/30	Entity Relationship Modeling	Ch. 5	
3	6/6	Entity Relationship Modeling	Chs. 5 & 6	Assign 1 due (6/13)
4	6/13	Entity Relationship Modeling	Ch. 6	Assign 2 due (6/20)
5	6/20	Normalization	Ch. 7	Assign 3 due (6/27)
6	6/27	SQL	Ch. 4	
7	7/4	SQL	Ch. 4	Assign 4 due (7/11)
8	7/11	Database Administration Transaction Management	Ch. 14 Ch. 15	Quiz 2 (7/23-7/25)
9	7/18	Advanced SQL	Ch. 9	
10	7/25	Advanced SQL	Ch. 9	Assign 5 due (8/1)
11	8/1	View	Ch. 10	
12	Final Exam	On-campus exams at UTD Testing Center: <b>August 5 or August 6.</b> Individually proctored exam: <b>August 4 – August 5.</b> (Proctored exam application form due: <b>July 8.</b> ) All exams must be received by <b>August 8.</b>		

## 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.

### **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.”

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