

## *Course Syllabus*

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### **Course Information**

Course: MIS 6326 Data Management  
Term: Fall 2015  
Section: 002  
Meets: Monday and Wednesday  
2:30 pm to 3:45 pm  
JSOM 11.210

### **Professor Contact Information**

Instructor: Kevin R. Crook  
Email: [Kevin.Crook@utdallas.edu](mailto:Kevin.Crook@utdallas.edu)  
Office Location: TBD  
Office Hours: Monday 4:00 pm to 5:00 pm (1 hour after this class)  
Tuesday 11:30 am to 12:30 pm  
Wednesday 1:30pm to 2:30pm (1 hour before this class)  
Thursday 9:00 am to 10:00 am

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### **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).

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### **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.

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### **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*

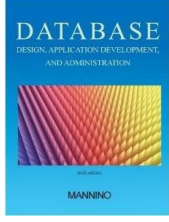
- Students will be able to design/create a database using the entity relationship modeling technique.
- Students will be able to manipulate a database using the SQL language.

#### *Application of Knowledge in Business Practice*

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

## Required Textbooks and Materials

### Required Textbook

	<p><i>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)</i></p> <p>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.</p>
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***A less expensive electronic version is available at <http://www.mmannino.com>.***

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## Assignments & Academic Calendar

This is a tentative class schedule. Please expect changes in the schedule which will be posted in eLearning.

Week Number Start Date	Topics Covered in Class	Reading Assignments (please read before class)	Assignments Due
Week 1 August 24 <sup>th</sup>	Introduction to the Course  Introduction to Database Management  Introduction to Database Development (briefly)	Chapters 1 and 2	
Week 2 August 31 <sup>st</sup>	The Relational Data Model	Chapter 3	
Week 3 September 7 <sup>th</sup>	<b>Monday September 7<sup>th</sup> is the Labor Day Holiday – No Class</b>  Understanding Entity Relationship Diagrams	Chapter 5	
Week 4 September 14 <sup>th</sup>	Understanding Entity Relationship Diagrams (continued)		
Week 5 September 21 <sup>st</sup>	Developing Data Models for Business Databases	Chapter 6	
Week 6 September 28 <sup>th</sup>	Developing Data Models for Business Databases (continued)		Assignment 1 Due Wednesday at class time

Week 7 October 5 <sup>th</sup>	Normalization of Relational Tables	Chapter 7	Assignment 2 Due Wednesday at class time
Week 8 October 12 <sup>th</sup>	Review for Exam 1  Exam 1 – Wednesday, October 14 <sup>th</sup>		
Week 9 October 19 <sup>th</sup>	Query Formulation with SQL  Select Groups for Group Project	Chapter 4	
Week 10 October 26 <sup>th</sup>	Query Formulation with SQL (continued)		
Week 11 November 2 <sup>nd</sup>	Advanced Query Formulation with SQL	Chapter 9	
Week 12 November 9 <sup>th</sup>	Advanced Query Formulation with SQL (continued)		
Week 13 November 16 <sup>th</sup>	Application Development with Views  Data and Database Administration	Chapters 10 and 14	Assignment 3 Due Wednesday at class time
Week 14 November 23 <sup>rd</sup>	Fall Break – No Classes		
Week 15 November 30 <sup>th</sup>	Transaction Management  Review for Exam 2	Chapter 15	Group Projects Due Wednesday at class time
Week 16 December 7 <sup>th</sup>	Exam 2 – Monday, December 7 <sup>th</sup> (Chapters 4, 9, 10 – writing substantial SQL and multiple choice)		

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## Grading Policy

### Grading Scheme

Assignment 1	10%
Assignment 2	10%
Assignment 3	10%
Group Project	10%
Exam 1	25%
Exam 2	25%
Class Participation (including Attendance)	10%
<b>Total</b>	<b>100%</b>

## Grading Scale for Letter Grades

(Note that graduate final grades do not include A+.  
Students earning an A+ for the course will have their official final grade recorded as A)

97 – 100	A+
93 – 96	A
90 – 92	A-
87 – 89	B+
83 – 86	B
80 – 82	B-
77 – 79	C+
73 – 76	C
70 – 72	C-
67 – 69	D+
63 – 66	D
60 – 62	D-
0 – 59	F

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### Course & Instructor Policies

- Make-up Exams – restricted to documented emergencies. Make-up exams will be in essay format and content will differ from the regular exams.
- Extra Credit – no extra credit assignments are available.
- Class Attendance – required, except for documented emergencies. Attendance will be taken at every class meeting and class participation grade will be reduced for missed classes.
- Late Work – reduced by 10% per 24 hour period. No credit given if 72 hours past due.
- Instructor Response Policy – instructor will respond within 48 hours, excluding holidays and weekends.
- eLearning – will be used for class content.

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### 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.”

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### 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.

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