

# Syllabus

## IST 223, Winter 2004

**Course Description:** This course introduces database architecture, design, commands, administration, and implementation.

**Text, Reading, Assignments:** The text for the course is David M. Kroenke: Database Processing: Fundamentals, Design, & Implementation, 9<sup>th</sup> Edition, Prentice Hall, 2004, ISBN: 0-13-101514-1. It would be helpful to you to read the material before coming to class so you will be prepared to ask questions if you still do not understand the material after hearing the lecture. We will also refer to the book periodically in class.

**Tentative Plan:**

Mon, April 12	Chapter 7	Views, Embedding SQL, Triggers, Stored Procedures, Using SQL in Application Code
Wed, April 14		Work on Project in Class
Fri, April 16		Work on Project in Class
Mon, April 19	Chapter 8	Additional SQL Statements, Analyzing Existing Databases
Wed, April 21	Chapter 8	Changing Table Names and Table Columns Adding & Deleting Relationships, Forward Engineering
Fri, April 23	Chapter 9	Security & Recovery
Mon, April 26	Chapter 10	<b>PROJECT DUE</b> Surrogate Keys Using Sequences, Drop and Alter Statements, Creating Indexes, Changing Table Structure, Creating Views, Data Dictionary
Wed, April 28	Chapter 15	Enterprise Database Processing Architectures, Downloading Data
Fri, April 30	Chapter 15	Data Warehouses, Data Administration
Mon, May 3		
Wed, May 5		Review for final (computer portion)
Fri, May 7		Review for final (paper portion)

**Homework:** Assignments will be announced in class and posted on the class web site. You are responsible for downloading the assignment, completing it, and returning it to me. I would prefer the homework be emailed to me at [carla@umr.edu](mailto:carla@umr.edu) but I will accept it handed in on paper. If you miss class, it is your responsibility to find out what you missed and what you need to make up.

**Lecture Slides:** These will be posted to the class web site as soon as they are completed. If you wish, you may print them out before class so you can add notes to them during class. If you miss class, again it is your responsibility to find out what slides we covered.

**Tentative Grading Plan:**

Tests (Mid-term and Final)	50%		
Project	30%	100-90%	A
Homework	20%	89-80%	B
		79-70%	C

69-60%

Below 60%

D

F