

**MSI 520 - Database Management Using Access**  
**University at Albany, SUNY**  
**Fall 2001**

**Instructor Information**

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 Phone: (518) 442 4925  
 Office Hours: MW 1 - 2:30pm, T 9 - 10am or by appointment

**Class Information**

Time (4659): MW 10:10 - 11:05  
 Time (4658): MW 11:15 - 12:10  
 Room: BA 227 / CETL Digital Workshop 2  
 Dates: September 10 - December 12  
 Available Labs: MIS Lab, LC4

**Course Overview**

This is an introductory course in databases which teaches the basic principles of relational database theory and use of query languages. The students learn to write queries in SQL and design a simple database from scratch using Microsoft Access. The course discusses the basic database design principles as well as the rationale for using different forms of normalization.

**Text & Reference Books**

Text: Philip J. Pratt, Joseph J. Adamski, Concepts of Database Management, 3rd Edition.  
 Text: Adamski, Hommel & Finnigan, Introductory Microsoft Access 2000, (New Perspective Series)  
 Reference: Steven Roman, Access Database: Design & Programming, 2nd Edition

**Grading**

Homework: 30%  
 Class Participation: 10%  
 Project: 30%  
 Final Exam: 30%

**Course Schedule**

Lec. #	Date	Topics	Readings	Assignments
1	10/8	Introduction to Databases	Ch 1	
2	10/10	Relational Database Design	Ch 2	ERD
3	10/15	ER Diagrams	Ch 6 (ER-D)	
4	10/17	Database Normalization	Ch 5,6	
5	10/22	Database Normalization	Ch 5,6	Problems 9,12 Ch 5
6	10/24	Database Normalization	Ch 5,6	
7	10/29	SQL - Data Definition Language	Ch 3	
8	10/31	SQL - Data Manipulation Language	Ch 3	
9	11/5	SQL - Data Manipulation Language	Ch 3	
10	11/7	MS Access- Tables, queries		#5 (Tutorial)
11	11/12	MS Access- Forms and Reports	Tutorial 3,4	#6 (Tutorial)
12	11/14	Database Management System	Ch 7	
13	11/19	Database Administration	Ch 8	
14	11/21	Semi-Structured Data (XML)		
15	11/26	Revision / Wrap-up		Project Due
16	11/28	Exam		