

**SEMESTER/YEAR:** SPRING 2010  
**COURSE MEETING:** Tuesday First half 6:00-8:50 P.M.  
**DATES:** 1/12 1/19 1/26 2/2 2/9 2/16 2/23 3/2  
**LOCATION:** MAIN-Room # REID 1320  
**CREDITS:** 3

## **ISYS 307-1M Database Development**

Instructor: Robert Frese  
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Office hours by appointment only

Pre-req. – ISYS100 or ISYS 250

**Pre-Assignment –**  
Read Chapter 1 of text book.

### **Required Textbook**

Database Concepts (Fourth Edition) & Microsoft Office ACC/07 Package (Book Package)  
ISBN 978-0-13-2361767

## **Objectives**

This course is designed to introduce students to SQL and database design and construction techniques. Upon completion of this course, students should be able to do the following:

- Review basic to intermediate SQL statements and know the syntax behind the statements.
- Be able to write and test SQL via Microsoft Access
- Develop the skills to design and construct database models.
- Be able to communicate database concepts to technical and non-technical end users.

Sessions will be based on hands-on exercises exploring database design concepts and SQL statements Primarily in **Microsoft Access**. Additional demonstrations and projects will be used to gain exposure to Other database management systems.

## Course Description

An overview of database concepts dealing with database design and management. Topics included are: Developing a relational model, Structured Query language, Data Modeling and Database Administration

## Point total breakdown

Two tests - 200 points each	400
Project and Presentation - 200 points	200
Review assignments – 6 assignments (100 points each)	600
Class Participation – 200 points	200
Total	1400 points

## • Grading Scale

Your letter grade for this course is determined on the basis of the overall weighted score computed using the percentage breakdown outlined below.

Letter Grade Percentage

A 93.00 and above

B 83.00 – 92.99

C 73.00 – 82.99

D 63.00 – 72.99

F 0 – 62.99

## Weekly Schedule

**For Each chapter: Know and understand all Review Questions at the end of each chapter.**

Week	Topic	Readings for next week
1	Chapter 1 Do Access Workbench Exercise AW 1.1 (page 52)	Chapter 2
2	Chapter 2 Do Access Workbench Exercise AW 2.1 (page 97) Do Exercise 2.40 on page 96 (All due 5/30/09) Semester Project Assigned during the week	Chapter 3
3	Chapter 3 Do Access Workbench Exercise AW 3.1 (page 189)	Chapter 4
4	Chapter 4 Do Access Workbench Section 4 (page 243-251)	Chapter 5
5	Chapter 5 (Chapter 5 assignment handout) Midterm Chapter 1-4 Meeting with Instruction on presentation	Chapter 6
6	Chapter 6 – Homework will be assigned	
7	Test 2	
8	Final Presentations of Semester Project	

**Disclaimer: This syllabus is subject to change at the discretion of the instructor.**

**Academic Accommodations**

Maryville University provides accommodations and supports for students with disabilities as defined by the Americans with Disabilities Act. If you have a documented disability and wish to discuss academic accommodations, please contact the course instructor and/or the Director of the Academic Success Center located in the University Library (314-529-6850).

**Academic Integrity**

Maryville University's Student Code of Conduct prohibits plagiarism, cheating, and other forms of academic dishonesty, or facilitating any such acts. Students found in violation of this code are subject to immediate dismissal from class with a failure for the course. Students with documented disabilities should contact the professor prior to the end of the first week of class