

LEMOYNE-OWEN COLLEGE
DIVISION OF NATURAL AND MATHEMATICAL SCIENCES

Syllabus for COSI 345 A
Database Management
Fall Semester, 2008

Pre-requisites: COSI 240.

Text: Hoffer / Prescott / Topi, Modern Database Management, Ninth Edition. Pearson/Prentice Hall, 2009, ISBN-10: 0-13-600391-5.

Class Meeting: TTh 12:30 p.m. to 1:50 p.m., GOH 114.

Instructor: *Name:* Valerie Chu, Ph.D.
Office: GOH 400 D
Phone: 435-1378
Office Hours: MWF 10:00 a.m. to 1:00 p.m.
 TTh 9:00 a.m. to 9:30 a.m.
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Course Description

The course emphasizes the concepts and structures necessary for the design and implementation of database management systems, data models, data normalization, relational algebra, SQL, file organization, and index organization. Three hours of lecture per week. Prerequisite: ITEC 240.

Objectives

1. Show an understanding of the various aspects of database systems.
2. Develop the hands on experience on database design.
3. Apply the concepts and techniques of database management systems to the real world problems.

Course Outline

<u>Weeks</u>	<u>Chapters</u>	<u>Topics</u>
1	1	The Database Environment
2	2	The Database Development Process
3	3	Modeling Data in the Organization
4	4	The Enhanced E-R Model and Business Rules
5	<i>Review and Mid-Term Test I</i>	
6-7	5	Logical Database Design and the Relational Model
8-9	6	Physical Database Design and Performance
10-11	7	Introduction to SQL

12-13	8	Advanced SQL
14		<i>Review and Mid-Term Test II</i>
15		<i>Final Comprehensive Exam</i>

Attendance Policy

If as many as 4 classes are missed without excuse, the course grade will be reduced by one letter. If as many as 6 classes are missed without excuse, the student will fail the course. An absence from class will be excused only if a written doctor's excuse or a written statement concerning a death in the family is supplied. Other valid excuses are provided by coaches or other faculty for legitimate events.

Four classes tardy will be counted as one missing class.

Course Requirements and Evaluation Procedures

Projects, two mid-term tests and a final comprehensive examination will be given. There are no make-up tests except for a valid document from a doctor; however, a note from home is not acceptable. Homework will be assigned frequently. The score of the final examination can be used to replace the lowest score of the mid-term examinations.

The course grade will be calculated on the following distribution:

Projects and Homework	40%
Mid-term Tests	40%
Final Exam	20%

Grades will be recorded in numerical form until the final averages are determined at the end of the semester.

Grading Scale:

90 to 100 A, 80 to 89 B, 70 to 79 C, 60 to 69 D, below 60 F

Policies Related To Students With Disabilities:

The facility of Gibson-Orgill hall is equipped an entrance ramp and elevator to accommodate students with physical disabilities. Special arrangements can be made for students with other disabilities or impairments (i.e., deaf, mute, etc.)

It is recommended that you regularly check my web page to find out about additional announcements.