

The Illinois Institute of Art, Chicago

Course Title: Introduction to Database Management

Course Number and Section: IMD 380

Term / Year: FALL 2006

Instructor: Lindsay D. Grace

Office E-mail: LG3311@fac.ii.edu

Time: Monday / Wednesday 8:00 – 11:50 pm

Place: 180 N. Wabash (Loop), Room 230

Number of Contact Hours: 66

Course Length: 11 weeks

Weekly Homework Hours: 3-6

Credit Value: 4 QHC

Method of Instruction: Lab and Lecture

Required Technology:

1. A personal computer running Access and Visio
2. A server running MySQL and Coldfusion (provided)
3. A mass storage device: USB drive, portable hard drive,
4. CD's or floppy disks to hand in homework

Course Overview:

This course provides an understanding of database structures and records necessary for web site development. Students will learn how information is transferred between back-end servers and end users through various scripting techniques. A solid understand of HTML scripting and static web development will be required.

Required Textbook:

Sams Teach Yourself SQL in 10 Minutes, Third Edition

ISBN: 0672325675

ColdFusion MX Web Application Construction Kit, Fifth Edition

ISBN: 0321125169 (required after midterm)

Prerequisites:

Advanced Web Scripting (IMD300)

Course Objectives:

- ❑ An understanding of the concepts of relational databases and the how they are used on the Internet
- ❑ An understanding communicating database structure using ER, Semantic and Relational Diagrams.
- ❑ An understanding of SQL and basic form processing using popular scripting languages.

Week 1:

Data and Databases Overview

Week 2:

Describing Data: XML

Week 3:

Describing Data: Diagrams and Data Typing

Week 4:

Relational Diagram and Data Organization

Week 5:

Normalization

Midterm Exam

Week 6:

Introduction to SQL

Week 7:

SQL continued: Aggregate Functions

Week 8:

SQL Continued: Advanced Functions

Week 9-11:

Cold Fusion and Form processing.

Final Project Due

Grading System:

Point Score range	Letter Grade
93 and above	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	F
Below 60	F

Score Breakdown:

Homework:	50%
Midterm Exam:	25%
Final Project:	25%

Course Requirements and Policies

All students must adhere to the guidelines set forth by the Illinois Institute of Art's student handbook.

All assignments are due at the beginning of the class. Students should hand provide a copy of their program on a **PC-formatted** 3.5" inch floppy disk.

Students should always keep a backup copy of their work.

No late assignments will be accepted. In this course, each assignment will build on the previous. Failure to complete the prior week's assignment will make each subsequent week harder. It is in your best interest to complete each assignment on time and to the best of your ability. Always hand in what you have, even if it does not work. **Partial credit is better than no credit at all.**

Attendance / Absences:

Students are expected to attend each class and arrive on time. Any student arriving late for an exam may not be given a chance to complete the exam. Late assignments are deducted one letter grade per day.

Makeup exams and acceptance of late assignments will only be granted in the following circumstances; Medical excuse, emergencies, campus-sponsored activities.

All issues of attendance and tardiness will be handled as school policy dictates and at the discretion of the instructor.

Cheating and Plagiarism:

Any student that cheats or plagiarizes will be reported to the academic standards committee and may be dismissed from the course.

All homework is to be completed independently (except when told otherwise). Any student who is caught or suspected of working in conjunction with any other student will be penalized. Using lines of code borrowed from any source other than the prescribed book for this course will be considered plagiarism. **Do not use websites, message boards, chat rooms, or other related resources to solve homework problems.**

*Schedule subject to change at the instructor's discretion.