

**IS380 SYLLABUS**  
**Introduction to Databases**  
**Winter Semester 2008**

**INSTRUCTOR**

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**CRN:** 21358  
**Class Hours** 2:30-3:45pm on Tuesday and Thursday  
**Course Location:** 301M Owen Building  
**Office Hours:** 9:00 am - noon, Monday/Wednesday, or others by appointment

**COURSE DESCRIPTION**

CIS380 is a course about the fundamental concepts of relational database development and processing within a business context. The course is organized around the steps in the Systems Development Life Cycle (SDLC) of a relational database. Primary emphasis is placed on three topics: data modeling, relational database design, and basic structured query language (SQL).

**COURSE OBJECTIVES**

The course facilitates for the student to:

- develop a general understanding of the database development approach
- develop a thorough understanding of entity-relationship data modeling
- develop a thorough understanding of relational database design
- develop an understanding of the basic structured query language (SQL)

**COURSE RESOURCES:**

**Textbook:** Hoffer, Jeffrey A., Prescott, Mary B., McFadden, Fred R., *Modern Database Management*, 8<sup>th</sup> ed, Prentice Hall, 2006, ISBN: 0-13-2212110  
Any Microsoft Access Database references

**Software:** Microsoft Access 2003 database package (available in the COB Computing Labs)  
RFFLOW diagramming software (refer to <http://graphicssoft.about.com/cs/diagramswpc> for a trial version)

**STUDENT GRADING (Points):**

**Midterm;** 250

<b>Final;</b>	300	
<b>Assignments:</b>		
E-R Modeling	30	
Relational Design		30
Normalizing	30	
SQL	30	
<b>Lab Assignments:</b>	100 (20 X 5)	
<b>Individual Project:</b>	130 (presentation - 30, report -100)	
<b>Class Participation:</b>	100 (unannounced quiz(es), and project demo)	
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<b>Total</b>	1000	

## Course Policies

### 1. Withdrawal Policy

You may withdraw from this course for any reason, without a failing grade, anytime up until the published University withdrawal date.

### 2. Class Attendance and Preparation Policy

Class attendance is required. Each student is responsible to know everything covered in every class meeting including announcements, correction, assignments, changing of homework, and rule of procedure. If you are unable to attend a meeting, it is your responsibility to obtain the class materials.

### 3. Team Composition and Expectations

Each team will consist of 4-5 students. Each team member is expected to do an equal amount of work on the assigned project. If team members of your group do not feel that you are doing your fair share of the work, the instructor reserves the right to adjust your grade accordingly.

### 4. Make-up Policy

Students will get zero score for the midterm and final tests, if he/she fails to take a test at the scheduled time. However, in the case of emergency, such as sickness, the student must present a written proof from a physician. Also, in the case of judicial court appointment, the student must present a written proof from the court. Based on this document, the instructor may provide an alternative assessment for the requested student. Make-up quizzes are not allowed. Assignments missed due to an unexcused absence will be graded and then penalized 50% per day. No assignments will be accepted after the assignment has been graded and returned to the class. All assignments are due in class on the due day.

### 5. Academic Dishonesty Policy

Any student who is caught cheating during an examination/assignment or assists another students in cheating during an examination/assignment will automatically fail the course. The case will be forwarded to the appropriate individuals for university action. Cheating on exams/assignments includes, but not limited to, crib sheets (unless approved by instructor), copying answers from another student's exam, assignment, term papers, or project, use of recording devices, and

gaining unauthorized prior access to exams or answers. **Individual assignments must reflect your own work.** Group collaborations will not be tolerated. Individuals who submit obvious group collaborations will receive zero (0) points for that individual assignment.

**6. Grade Appeals Policy**

**It is the student's responsibility to keep all graded materials that have been returned.** (The instructor's grades will be assumed to be accurate unless you can prove otherwise). Any student wishing to appeal a grade must submit a WRITTEN appeal indicating the specific section the student is requesting a re-grade of and a short (civil) explanation (rationale) of why the student feels they deserve a different grade. **Verbal grade appeals will not be accepted.**

**7. Statement Related to Policies on Unannounced Quizzes and Class**

**Attendance.** In order to learn appropriately, you must attend and participate in class.

**8. Grading Policy**

Assignments are due at the beginning of class on their due date. No credit will be given for assignment assignments turned in late. Copying other's work will result in zero points on them for all involved.

**Grading Scale:**

A:	93-100%	A-:	90-92.99%		
B+:	88-89.99%	B:	83-87.99%	B-:	80-82.99%
C+:	78-79.99%	C:	73-77.99%	C-:	70-72.99%
D+:	68-69.99%	D:	63-67.99%	D-:	60-62.99%
E:	Less Than 60%				

### Introduction to Databases (CIS380) Course Schedule for Winter Semester 2008

<b>Class</b>	<b>Day</b>	<b>Date</b>	<b>Topic</b>	<b>Chapter</b>	<b>Assignment &amp; Due Date</b>
1	Tue	01/08	Introduction to IS380 Class		
2	Thu	01/10	Introduction to the Database Environment	1	
3	Tue	01/15	Overview of Database Development	2	
4	Thu	01/17	Client/Server and Database Entity-Relationship Data Modeling	9 3	Quiz 1 for chapter 9
5	Tue	01/22	Entity-Relationship Data Modeling	3	
6	Thu	01/24	Entity-Relationship Data Modeling	3	
7	Tue	01/29	Entity-Relationship Data Modeling Project Teams/Requirements	3	E-R Diagram Due
8	Thu	01/31	The Enhanced E-R Model and Business Rules	4	
9	Tue	02/05	Logical Relational Database Design Using the Entity-Relationship Data Model	5	
10	Thu	02/07	Logical Relational Database Design Using the Entity-Relationship Data Model	5	Project Proposal Due
11	Tue	02/12	Logical Relational Database Design Using the ERD Model Relational Database Constraints	5 6	Logical Design Due
12	Thu	02/14	HW#2 Review Project Meeting		
13	Tue	02/19	Mid Term Exam	1, 2, 3, 4, 5, 6, 9	
14	Thu	02/21	Mid Term Exam Review		
	Tue	02/26	Spring Break		No Class
	Thu	02/28	Spring Break		No Class
15	Tue	03/04	Lab 1 for Tables		
16	Thu	03/06	Lab 2 for Queries	ACCESS	
17	Tue	03/11	Lab 3 for Reports	ACCESS	
18	Thu	03/13	Lab 4 for Switchboard/user interfaces	ACCESS	
19	Tue	03/18	Lab 4 for Switchboard/user interfaces	ACCESS	
20	Thu	03/20	Relational Database	5	

			Normalization		
21	Tue	03/25	Relational Database Normalization	5	
22	Thu	03/27	Structured Query Language	7	Normalization Due
23	Tue	04/01	Lab 5 for SQL	7	
24	Thu	04/03	Lab 5 for SQL	7	
25	Tue	04/08	Multi-User Database Issues	11,12, 13	SQL Due
26	Thu	04/10	Project Meeting day		
27	Tue	04/15	Project Presentation		
28	Thu	04/17	Project Presentation Wrap-up		Project Report Due
29	Tue	04/22	Final Exam	3, 4, 6, 5, 7, 11, 12, 13	12-1:30pm

**F and J visa students, you have 10 days to report, any**

- Change in name, current address of residence, academic status (full or part-time enrollment), date of program completion, program/major change, level change (undergraduate to graduate), change in funding source (employment or graduate assistant position).
- Intent to transfer to another university.
- Probation or disciplinary action due to a criminal conviction.

In accordance with new federal regulation, these must be reported to the EMU Office of International Students (OIS), 229 King Hall within 10 days of occurrence; failure to do so may result in arrest and deportation. You may not drop or withdraw from a course without OIS approval. If you have questions or concerns, contact the OIS at 487-3116, **not your instructor.**

## Ethos Statement Eastern Michigan University College of Business

The College of Business students, faculty and staff comprise a professional, interdependent community committed to perfecting responsible, ethical business professionals to serve business and the wider world. Through a positive learning experience mirroring the business world's best aspects, the community respects the group's common mission and the individuals comprising it. Community members foster the COB ethos through behavior growing from six interrelated values:

- 1) Integrity

Integrity is practicing in all areas of life what we profess to believe. It is commitment to professional standards in the whole person.

2) Honesty

Honesty requires respect for the truth; it means being truthful, sincere, and straightforward.

3) Trustworthiness

Growing out of integrity and honesty, trustworthiness is the confidence others have that we mean what we say; we can be counted on.

4) Respect

Respect is deference or esteem for what we value. We recognize others' worth as ends, not means. Respect is key to our other values.

5) Learning

We value learning as an end in itself and as a practical tool for success in lifelong professional growth. We gain up-to-date, practical and theoretical knowledge through effective, often participative learning and research.

6) The Work Ethic

We practice self reliance and responsibility to our business profession and community. We are industrious and often self supporting.