

Computer Science 440

Fall, 2004

Instructor: John Atkins
835 Engineering Sciences Building

Office Hours: MWF 11:00 - 12:00; 835 ESB

Text: Database System Concepts, 4th Edition,
Silberschatz, Korth and Sudarshan,
McGraw Hill, 2002

Grading Distribution:

Three Examinations:	45%
Final Examination:	25%
Project:	25%
Homework:	5%

Project Grading:

Requirements Document:	15%
Specifications:	25%
Database Generation:	50%
Testing	10%

Grading Policy:

90% - 100%	A
80% - 89%	B
70% - 79%	C
60% - 69%	D
< 60%	F

Examination Dates:

Exam 1:	Wednesday, September 22, 2004
Exam 2:	Wednesday, October 27, 2004
Exam 3:	Wednesday, December 1, 2004

Final Exam:	Friday, December 17, 2004 11am
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Class Policies

1. There are no make-up exams; absence from an exam must be approved by the instructor prior to the exam. Missed examination scores will be replaced with the final examination score. Failure to take two examinations will result in an F for the course. An absence from an examination **must** be approved by the instructor.
2. Students are required to work alone on the project and homework. Evidence that the project or homework was not done entirely by the student will be regarded as cheating. The first instance of cheating will result in a zero for the assignment, no opportunity for curving the final grade and all homework will be used to compute the final average. The second instance of cheating will be reported to the University and will result in, minimally, an unforgivable F in the course. Evidence of cheating on the project will result in an unforgivable F.
3. Students who make a reasonable (as determined by the instructor) attempt at **every** homework assignment will have their final average computed with and without the homework. The higher average will be used for the final grade.
4. Project and homework assignments are due at the beginning of class.
5. The Laboratory Fee is not refundable after the first week of classes. A registration restriction for the succeeding semester will be imposed if the fee is not paid.
6. The final examination must be taken at the scheduled time (no exceptions!)
7. Please do not bring enabled cell phones to class! If you anticipate receiving a critical call during class, please notify the instructor before class.
8. Students may not audit nor may they "sit in for

free."

9. The pre-requisite for Computer Science 440 is CS 230 or an entry on the student's transcript entitled "Software Engineering"; the grade for the CS 440 pre-requisite must be at least C.

Course Objectives:

Students will be exposed to the fundamentals of the object-relational data model as well as the ER design methodology.

Learning Outcomes

1. The student will understand the concepts and terminology appropriate to the study of databases.

Assessment: examination

2. The student will be exposed to fundamental aspects of the Oracle 9i release 2 Database Management System.

Assessment: multiple assignments, access to the Oracle DBMS.

3. The student will understand the process required to develop a web-based database application.

Assessment: Class project

4. The student will understand the entity-relationship model relative to capturing the information content of an application.

Assessment: examination and assignment