CSCE 520 – Spring 2008
Administrative Information

Description

Database management systems; database design and implementation; security, integrity, and privacy.

Prerequisites

CSCE 245 or GEOG 563 or permission of the instructor.

Course Materials

REQUIRED. Jeffrey D. Ullman and Jennifer Widom, A First Course in Database Systems, 3rd Edition, Pearson/Prentice Hall, 2000. A mapping between the 2nd edition and the 3rd edition is available.

RECOMMENDED> Rajshekkar Sunderraman, Oracle 9i Programming: A Primer, Addison Wesley, Upper Saddle River, NJ, 2004.

Course Outcomes

1. Describe the major components of a database management system and state their functions and purpose.

2. Develop a data model for a database application using an appropriate modeling tool such as ER diagrams.

3. Use the concepts of data normalization to develop well-designed database applications.

4. Implement a database application using an appropriate relational DBMS.

5. Use SQL to access database information.

6. Describe major operational issues associated with database applications, including transaction management, security, and integrity.

Course Instructor

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Office hours:
Monday: 10:00 – 11:30
Tuesday: After class
Wednesday: 10:00 – 11:30
Thursday: After class

Grading – Undergraduate

10% Quizzes and in-class Exercises
20% Midterm Exams (2)
20% Final Exam
50% Assignments and Projects

Grading – Graduate

10% Quizzes and in-class Exercises
20% Midterm Exams (2)
20% Final Exam
30% Assignments and Projects
20% Research Project and Presentation

Grading Policies

Cutoffs no higher than the following will be used:
90%--A 80%--B 70%--C 60%--D

Students should be familiar with and abide by the Code of Student Academic Responsibility. Any violations will be regarded as **serious** and will result in a minimum penalty of **failure** in the course.

Incompletes will be given only when **serious** and **unanticipated** circumstances prevent the timely completion of course work. Let me know as soon as you can when you are facing a situation that impacts negatively on your course work or if you find yourself in difficulty in the course. In general, the sooner problems are addressed, the easier they are to handle.

Many assignments may be submitted electronically and may be turned in at any time on the due date (up until midnight). Some assignments will be the basis of class discussions and must be done before class; these will be clearly identified. Late assignments will not be accepted after that assignment has been returned to the class. Quizzes and in-class exercises may not be made up. However, the two lowest grades will be dropped.

Other Course Policies

Please avoid disrupting the class. Among other things, do not allow cell phones to ring or engage in private conversations either in person or on the phone. If you must arrive late, do not come to the front of the class to pick up assignments and handouts; you may get these after the class is over. If a handout is needed during class, I will make sure everyone has one. Do not block the side blackboard by placing a chair in front of it.