SYLLABUS

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Office Hours: (Tentative) Wednesdays right after our class
Other times: Please call or send E-mail for appointment

Text Book: Database System Concepts
by: Silberschatz, Korth, and Sudrashan
McGraw-Hill
5th ed., 2006

References: Database Management Systems
by: Ramakrishnan and Gehrke
McGraw-Hill
3rd ed., 2003

Database System: The Complete Book
by: Garcia-Molina, Ullman, and Widom
Prentice Hall
2001

COURSE CONTENTS:

• Storage and indexing.
• Query processing and optimization.
• Transaction processing.
• Concurrency control.
• Recovery.
• Distributed databases.
• Information Integration and Interoperability, Multi-database systems.
• (Time permitting) Topics of current interest, such as XML query processing and optimization.
GRADING SCHEME:
Assignments and/or quizzes: 10%
Tests: 70% (Test1 20%, Test2 20%, Test3 30%)
Project or term paper, and presentation: 20%

TEST DATES:
Test 1: Wednesday Feb. 8, 2006.

NOTES:

- The grade you will receive in this course is a function of your numerical marks in the assignments, project, tests AND the overall performance of all students in the course. The marks will be “normalized” to assess a student’s performance. A rough guideline is as follows: 90% to 100%, A; 80% to 89%, B; 70% to 79% C; below 70%, F.

- Students should be present for all tests. No make-up tests will be given.

- I often use email to communicate with you. I will only use your UNCG email addresses. Please make sure to check your messages regularly. If you normally use a different email address, it is your responsibility to forward your UNCG messages to that address.

- You are encouraged to seek information in other books or on the web. BUT you must cite the source if you use any material from other books or the web (for example, in your homework). Otherwise it is considered cheating.

- You are all expected to attend other students’ presentations.

- A penalty of 10% (of the total assignment mark) per day will be levied for late assignments. Late submission of an assignment is accepted until it is discussed in class.

- Written assignments are due in class.

- Computers do break down. In fact they often break down at the worst time. It is your responsibility to be prepared for such accidents, and still meet the deadline for your assignments. Also note that the labs get very busy at the end of the semester.

- It is a good idea to retain a copy of your works until you receive your final grade for the course.

- Please back up all your computer work.

- Some topics from the text or references will be designated as “reading assignments”. You are responsible to read these topics on your own, and ask questions during my office hours if there are any parts that need clarification.

- Academic Honor Policy will be strictly enforced.