CS 2910
File and Database Management

Prerequisites: CS 2010

Instructor: Angel Nikolov

Office: C402 539-2071

Text: Elmasri and Navanthe, Fundamentals of Database Systems, Addison Wesley, 3rd Ed, 2000 (Required)

Folk and Zoellick, File Structures, 2nd Ed, Addison-Wesley, 1992 (on reserve in Library)

Evaluation:

Assignments and Quizzes	40%
Midterm Exam	25%
Final Exam	35%

Assignment Policy:
All assignments must be turned in—late or not—in order for you to receive a passing grade. To pass this course you must achieve an average of 50% on all exams.

Penalties for late assignments:
24 hrs delay: 10%
one week delay: 20%
More than one week delay: 40%

Course Description:
The course includes basic concepts of file and database management. Topics will include: computer hardware, physical and logical data organization and access methods as they pertain to file systems, file I/O, hashing, B-trees and B+ trees, relational algebra, data modeling, data normalization, and data definition and manipulation languages including SQL. The Oracle™ DBMS will be used for much of the laboratory component.

Course Format:
This course is three lecture hours and three lab hours per week.