CS 5600 : Advanced Database Systems

Instructor: Dr. Chen-Fu Chiang
Time: Tuesday and Thursday 10:00 AM - 11:50 AM
Location: Summit Center 144
Office Hours: Monday and Wednesday 10:00 AM - 12:30 PM at **CSC 138** or by appointment

Office: WCM 126 B
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Text
Database Systems Concepts, 6th Ed, by A. Silberschatz, H. F. Korth, S. Sudarshan.

Prerequisites
CS 4600

Topics : (Chapter 10 - 16)

- Storage and File Structure

- Index and Hashing

- Query Processing

- Query Optimization

- Transactions

- Concurrency Control

- Recovery System

- If time allows, we will explore topics such as Distributed Databases

Grading
The lecture format will be the basic mechanism used in the course. Computer demonstrations in the classroom will be used whenever appropriate. Assessment of student performance will use a criterion-referenced model which will include written assignments (30%, might contain programming assignments), regular examinations (midterm 30%) and a comprehensive final exam (40%). Assignments must be turned in at the beginning of the class on the due date. Late assignment will **not be accepted** due to the short period of summer section. All examinations are closed-book. A typical grading scale will be as follows:

Percent	Grade
90 -100	A
80 - 89	B
70 - 79	C
60 - 69	D
Below 60	F

Academic Integrity/Policy

Plagiarism and Cheating of any kind on an examination, quiz, or assignment will result at least in an F for that assignment (and may, depending on the severity of the case, lead to an F for the entire course). See the UCM Academic Dishonesty Policy at http://www.ucmo.edu/student/documents/honest.pdf. I will assume for this course that you will adhere to the academic creed of this University and will maintain the highest standards of academic integrity. In other words, do not cheat by giving answers to others or taking them from anyone else. Make-ups are only given under extreme circumstances. I will also adhere to the highest standards of academic integrity, so please do not ask me to change (or expect me to change) your grade illegitimately or to bend or break rules for one person that will not apply to everyone.