CSCE 5360 – Database Systems II (Summer 2015)

Instructor: Dr. JungHwan Oh,
E-mail: Junghwan{dot}Oh{at}unt{dot}edu, Phone: (940) 369-7790, Office: NTRP F274

Class Web: http://www.cse.unt.edu/~jhoh/
by M. Kifer, A. Bernstein and P. M. Lewis. Addison Wesley.

Pre-Requisites: CSCE4350 or working knowledge of DBMSs.
Office Hours: TuTh 01:00 - 03:00 pm, NTRP F274
Class time and Room: TuTh 03:00 - 05:30 pm, NTDP B185

Contents: This course covers Transaction Processing Systems. One objective of this course is to provide the fundamental and advanced concepts and techniques of those topics which have been the important issues in not only the academia but also the industries recent years for study and development of large scale database systems. The other objective is to prepare the students for doing research in the area of database systems. Beside the lectures which provide a broad base for understanding strategic concepts and technologies, each student will perform a study on specific topics of his/her choice. The following topics will be discussed in this course:
1) Properties of Transactions
2) Models of Transactions
3) Isolation
4) Atomicity and Durability
5) Architecture of Transaction Processing Systems

Grading:
Mid-term Exam 25 %
Final Exam 35 %
Project Term paper 10 %
Project Presentation 09 %
Reading Assignments 09 %
Attendance 12 %

- Term-Project & Presentation: Using the papers that you select, submit a term paper which includes not only at least three pages of summary but also at least two pages of comparisons of proposed schemes, discussions of their advantages and disadvantages, and/or proposal of new ideas. Indicate the papers you read as references. Finally, present your term paper in the class. No late submission accepted. More details can be discussed later in class.

- Reading Assignments: There will be some reading assignments. Read the given materials, and submit summary report by due date. No late submission accepted. The details can be found in our web page.

Policy:
1. No make-up exams (before and after) will be given. Equitable arrangements will be made for those with a university-approved excuse.
2. The penalty for cheating will be dismissal from the course with failure. No incomplete grade will be given.
3. No grading question by email.
4. No early exams.

"The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class."

Disabilities Accommodation: The University of North Texas complies with Section 504 of the 1973 Rehabilitation Act and with the Americans with Disabilities Act of 1990. The University of North Texas provides academic adjustments and auxiliary aids to individuals with disabilities, as defined under the law. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring accommodation, please see the instructor and/or contact the Office of Disability Accommodation at 940-565-4323 during the first week of class."