CSCE 5360 – Implementations and Practices of Database Systems  
(Summer 2017)

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

Pre-Requisites: working knowledge of DBMSs.
Office Hours: MoWe 01:00 PM - 2:20 PM, NTRP F274
Class time and Room: MoWe 2:30 PM - 5:20 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 6) Implementing Distributed Transactions

Grading:
- Mid-term Exam: 25%
- Final Exam: 25%
- Project Term paper: 16%
- Project Presentation: 10%
- Reading Assignments: 09%
- Attendance: 15%

• 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 the class web page.

• Term-Project & Presentation: There will be a term project which includes a survey of a topic that you choose. You need to submit a term paper by the due date. Finally, present your term project in the class. **No late submission accepted.** The details can be found in the class web page.

Policy:
1. If a student is absent for more than three classes (other than university-approved excuses), he/she will be dropped from the course.
2. No make-up exams (before or after) will be given. Equitable arrangements will be made for those with a university-approved excuse.
3. The penalty for cheating will be dismissal from the course with failure. No incomplete grade will be given.
4. No grading question by email.
5. No early exams.
6. No communication through a non-UNT email account. If such an email is received, the student should be asked to use their UNT account and resend.

"The course evaluation 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 this 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.