CSCE 5360 (4930) – Implementations and Practices of Database Systems  
(Summer 2019)

Instructor: Dr. JungHwan Oh, E-mail: Junghwan(dot)Oh@unt(dot)edu,  
Phone: (940) 369-7790, Office: Frisco Campus - Faculty room, Office Hours: We 05:00 PM - 6:00 PM.

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.

Class time and Room: MoWe 6:00PM-8:50PM, Frisco Campus - Room 133

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 in Transaction Processing Systems 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. 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:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Mid-term Exam</td>
<td>21 %</td>
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<tr>
<td>Final Exam</td>
<td>25 %</td>
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<td>Assignments</td>
<td>12 %</td>
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<tr>
<td>Term-Project</td>
<td>20 %</td>
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<tr>
<td>Term-Project Presentation</td>
<td>10 %</td>
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<tr>
<td>Attendance</td>
<td>12 %</td>
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- **Assignments**: There are some assignments. You need to solve the given problems, and submit your answers 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. 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. 