CSCE 5350 – Fundamentals of Database Systems (Fall 2022)

Instructor :   Dr. JungHwan Oh,
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Office Hours : TuTh 04:00 – 05:00 pm via live Zoom session (my Zoom ID is 731-188-6265).
Text :   Database System Concepts Seventh Edition by Avi Silberschatz, Henry F. Korth, and S. Sudarshan
All lecture slides will be available in Canvas.
Class time and Room: TuTh 11:30 - 12:50 pm, NTDP K150
Contents :   This course will cover the following topics.

- Normalization
- Storage Systems & Data Structures
- Indexing and Hashing

- Query Processing and Optimization
- NOSQL
- Application Security

Grading :

- Mid-term Exam   25 %
- Final Exam   30 %
- Assignments   12 %

- Term-Project   15 %
- Term-Project Presentation   08 %
- Attendance   10 %

- **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 Canvas.
- **Term-Project & Presentation**: There is a term project in which you do either an implementation of a system related to Database, or a survey of a topic for Database System that you choose. You need to submit a term paper by the due date. Finally, present your term project by Zoom. **No late submission accepted**. The details can be found in Canvas.
- **Attendance**: Attending in person only will be considered as attendance which will be taken each and every class day.
- **Mid-term and Final exam**: Mid-term and Final exams will be from the lecture slides and the assignments. Mid-term exam will cover the parts in the previous weeks. The final exam will not be cumulative, and it will cover the materials after Mid-term exam covers. All exams will include essay questions (4, 5 or 6 questions) such that you need to explain, describe, and compute, etc. Also, they can be either descriptive or problematic questions. There is no true/false, multiple choice, ordering, fill-in-the-blank, or matching questions at all. Mid-term and Final exams will be closed-book tests and conducted in class. You can use a plain calculator without storage, but cannot use any smart device with network connection..

Policy :
- **No make-up exams (before or after) will be given. Equitable arrangements will be made for those with a university-approved excuse.**
- **The penalty for cheating will be dismissal from the course with failure. No incomplete grade will be given.**
- **No early exams.**
- **When you send any email, send it to both TAs and Instructor, and the subject must include CSCE5350. If not, it may be discarded.**
- 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. This is an important part of your participation in this class.
- 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.
- If you are experiencing any symptoms of COVID-19 (https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html) please seek medical attention from the Student Health and Wellness Center (940-565-2333 or askSHWC@unt.edu) or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Team at COVID@unt.edu for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure.
- 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.