Class: Monday, Wednesday 6:00 PM ~ 7:50 PM (Classroom: #130 ERB)
Instructor: Dr. Kyungseo Park
E-Mail: kyungseo.park@uta.edu
Website: http://omega.uta.edu/~parkk/cse3330summer2016/
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Phone: TBA
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Office Hours: TBA

GTA: Madhuri Debnath
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Phone: TBA
Office: #307 ERB
Office Hours: Tuesday, Thursday 2:00 PM - 3:30 PM

Announcements

5/16/2016 This class web page is created.

Schedule

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Syllabus

Text Book

Course Objective and Outcome:
Database system architecture; management and analysis of files, indexing, hashing, and B+-trees; the relational model and algebra; the SQL database language; database programming techniques; database design using Entity-Relationship, and extended E-R modeling; basics of normalization. Introduction to database security, query processing and transaction management.

Topics:
Chapters 1 & 2: Course organization; Introduction to database systems; database system concepts and architecture
Chapter 3: The Relational Data Model and Relational Database Constraints
Chapter 4: Basic SQL
Chapter 5: More SQL; Complex Queries, Triggers, Views, and Schema Modification
Chapter 6: Relational algebra
Chapter 7: Data Modeling Using the Entity-Relationship (ER) Model
Chapter 8: The Enhanced Entity-Relationship (EER) Model
Chapter 9: Relational Database Design by ER- and EER-to-Relational Mapping
Chapter 13: Introduction to SQL Programming Techniques
Chapter 15: Basics of Functional Dependencies and Normalization for Relational Databases
Chapter 17: Disk Storage, Basic File Structures and Hashing
Chapter 18: Indexing Structures for Files

Grading Policy:
- Attendance: 5%
- Quizzes: 10%
- Project 1: 20%
- Project 2: 20%
- Midterm: 20%
- Final: 25%

Grade Distribution:
A = 100 to 90, B = 89 - 75, C = 74 - 60, D = 59 - 50, F = 49 and below
(Important Note: The exact cutoffs for each letter grade will be determined at the end of the semester)
General Policies:

• Students are responsible for checking this web site frequently for course related material and announcements. This site will be the primary form of communication for the course unless otherwise specified.
• The instructor reserves the right to modify the grading policy, course calendar and all other course policies. Make-ups for quizzes or tests may be arranged if your absence is caused by illness or emergency. In order to get acceptance for make-ups, a written explanation along with the supporting documents must be submitted to the instructor.
• Assignments are due by the end of the class on the due date. There will be a 10% penalty per day late. Lateness is determined with respect to your submission time. For instance, an assignment due on Wednesday: if submitted on Wednesday before 7:50 PM is considered one day late. No assignments will be accepted if late more than two days.
• All exams are closed book.

Student Code Name and Email Account:
Each student should send an email to the GTA and the instructor with the following information:

• The preferred email account for the student; the GTA or the instructor will use this email to notify students of relevant announcements and course information.
• A secret code name made of 5 alphanumeric characters (starting with a letter); the students will use this code to access their grades.

Omega Machine:
Make sure you have an account on Omega (omega.uta.edu), the computer offered by ACS. This is the machine on which all projects will be implemented. UTA’s OIT (Office of Information Technology) has a help desk and a link from UTA’s Web page if you need assistance with Omega and other OIT managed resources. You will also have an account created for you on the ORACLE database system, which should have the same initial account name and password as your original Omega account.

Disability:
If any student needs special accommodations because of a disability, please contact the Instructor during the first week of classes. Students are responsible for providing the instructor with official notification in the form of a letter certified by the Office for Students with Disabilities (OSD). Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting: The Office for Students with Disabilities, (OSD) www.uta.edu/disability or calling 817-272-3364. Counseling and Psychological Services, (CAPS) www.uta.edu/caps/ or calling 817-272-3671.

Academic Honesty:
Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:
• I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a
tradition that values hard work and honest effort in the pursuit of academic excellence.
• I promise that I will submit only work that I personally create or contribute to group
collaborations, and I will appropriately reference any work from other sources. I will
follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code as they see fit in their courses,
including (but not limited to) having students acknowledge the honor code as part of an
examination or requiring students to incorporate the honor code into any work submitted.
Per UT System Regents’ Rule 50101, §2.2, suspected violations of university's standards for
academic integrity (including the Honor Code) will be referred to the Office of Student
Conduct. Violators will be disciplined in accordance with University policy, which may result
in the student's suspension or expulsion from the University.

Student Feedback Survey:
At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or
"laboratory" shall be directed to complete an online Student Feedback Survey (SFS).
Instructions on how to access the SFS for this course will be sent directly to each student
through MavMail approximately 10 days before the end of the term. Each student's feedback
enters the SFS database anonymously and is aggregated with that of other students
enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student
feedback is required by state law; students are strongly urged to participate. For more
information, visit http://www.uta.edu/sfs.

Final Review Week:
A period of five class days prior to the first day of final examinations in the long sessions
shall be designated as Final Review Week. The purpose of this week is to allow students
sufficient time to prepare for final examinations. During this week, there shall be no
scheduled activities such as required field trips or performances; and no instructor shall
assign any themes, research problems or exercises of similar scope that have a completion
date during or following this week unless specified in the class syllabus. During Final Review
Week, an instructor shall not give any examinations constituting 10% or more of the final
grade, except makeup tests and laboratory examinations. In addition, no instructor shall give
any portion of the final examination during Final Review Week. During this week, classes are
held as scheduled. In addition, instructors are not required to limit content to topics that have
been previously covered; they may introduce new concepts as appropriate.