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Syllabus *

CSC 134 Database Management Systems

Catalog description

Entity-Relationship (ER) model; relational model; relational database design by ER-to-relational mapping; design of applications using database technology; SQL; schema definition, constraints, and queries; relational algebra; data normalization; access methods such as indexing and hash structures; introduction to transaction processing.

Prerequisite: CSC 130 (C- or better)

Course Format

All lecture videos are posted to Canvas. I will be in this Zoom meeting during class time, Monday, Tuesday, Wednesday, and Thursday from 1:00 pm to 4:00 pm (no break). You may want to watch the videos during this time period, or at a time that is convenient for you. If you have any questions, please join the Zoom meeting and ask me.

Zoom link: https://csus.zoom.us/j/81514684337?pwd=a0FGNlpSSGQ4V3RZek1aM1RKcmphQT09 Meeting ID: 815 1468 4337

Live zoom meetings:

Passcode: 099723

Syllabus overview: May 30 at 1:00 pm.

Midterm exam review: June 14 at 1:00 pm

Final exam review: July 3 at 1:00 pm

The recording will be posted. You will receive a canvas announcement once the recording is ready. Joining the live sessions is optional. **Instructor Information**

Dr. Ying Jin, Professor **RVR 5038** Office:

Email: jiny@csus.edu

When to contact the instructor: My preferred communication is through the designated Zoom meeting times. It is more efficient to solve problems this way. Please try to avoid sending long emails.

Textbook

Recommended Textbook (optional): Elmasri and Navathe, Fundamentals of Database Systems, 7th Edition, Addison-Wesley Publishing

Please read the Technical Skills and Requirements to understand the Minimum Hardware and Software needed for this online course.

Course Objectives

Upon completion of this course, you will be able to:

CO1. Use Entity-Relationship (ER) model for conceptual design

CO2. Design a relational database by ER-to-relational mapping CO3. Compose queries using relational algebra expressions

CO4. Use SQL (Structured Query Language) for data definition and data manipulation

CO5. Analyze a relational database design using Normal Forms

CO6. Differentiate different types of index structures

Assessment Component Weights and Grading

10 points in Canvas = 1% of the total grade Quiz: 7.2%

Discussion board: 2.8%

Assignment: 28%

Midterm Exam: 30%

Final Exam: 32%

Your letter grade will be calculated according to the following list:

93% -100% A

90% -92% A-

87% - 89% B+ 84% - 86% B

80% - 83% B-

77%-79% C+

74%-76% C

70%-73% C-67%-69% D+

64%-66% D

60%-63% D-59% or less F

Exam Dates

Midterm exam: 6/20 and 6/21. The Canvas Quiz named "Midterm Exam" will be open from 6:00 am on June 20 to 10:00 pm on June 21. You can take the exam at any time during this time period.

Final exam: 7/5 and 7/6. The Canvas Quiz named "Final Exam" will be open from 6:00 am on July 5 to 10:00 pm on July 6. You can take the exam at any time during this time period.

The instructor will post study guide before the exams.

Exam

Exams are closed book. MAKE-UP EXAMS ARE NOT GIVEN.

In case of a medical emergency, 1) the student must inform the instructor within 24 hours of the exam by email.

2) Bring a doctor's note that excuses the student from the activity of taking an exam in the given day.

3) The notes must be emailed to the instructor within the same week that the exam is scheduled.

Assignments

- All assignment submissions must be typed. • There are five assignments in this semester. Each assignment is 70 Canvas points (that is 7% of your total grade). The assignment with the
- family/neighbor/pet event, database server problem, network problem, computer problem, misunderstanding the question, fire, flood, power outrage, this dropped assignment will cover this one-time exception. No more exceptions will be made regardless of the reason. Requests for exceptions will not receive a response. • Completing all assignments is the best way to prepare for your exams. Ignoring one assignment may result in poor scores in your exams.

lowest score (one assignment) will be dropped. If you have any special situation that causes low scores, such as sickness, family emergency,

- All assignments and homework must be submitted through Canvas. Other types of submission, such as by email, will not be graded and will get a zero.
- If the submitted files are not readable or cannot be opened, you will get a zero as the grade. • If an assignment requires submitting a certain type of file, for example PDF, submitting any other types of files will get a zero as the grade
- and the submission will not be graded. • If there is more than one submission for the same assignment, the last one will be graded. • There is NO pre-grading. An assignment will only be graded after the due date. If a student requests the instructor to check if his/her
- submission is correct or not before the due date, the instructor will not grant this request, to be fair to all students.

time exception. No more exceptions will be made regardless of the reason. Requests for exceptions will not receive a response.

To view the grading feedback, please check BOTH 1) and 2):

View grading feedback:

1) Comment section

2) Click the "feedback" button/link to see the comments embedded in your files.

Quiz • One quiz (lowest one) will be dropped. If you have any special situation that causes low scores, this dropped quiz policy will cover this one-

Late assignments/quizzes/discussion board posts

Late submissions will NOT be accepted. Requests for exceptions will not receive a response.

Students can get graded work through Canvas. After the grading is posted on Canvas, students must contact the instructor within 2 working days, if there is any grading disagreement. After 2 working days, the scores are final and your request to discuss your grading will not receive a

Return of graded work

response. Students are required to keep backup copies of all submitted work, and also keep all graded work, until after final grades are posted and accepted without disagreement. **Campus Support**

Services to Students with Disabilities (SSWD) (https://www.csus.edu/student-affairs/centers-programs/services-students-disabilities/ □→)

offers a wide range of accommodation services that ensure students with disabilities have equal access and opportunity to pursue their educational goals. Student Health and Counseling Services (https://www.csus.edu/student-life/health-counseling/https://www.csus.edu/student-life/health-counseling/) staff are committed to continuing to

provide exceptional service to our campus community. Though many students may be away from campus, most services are offered using

secure remote technology. If you are experiencing challenges with food, housing, financial or other unique circumstances that are impacting your education, help is just a phone call or email away! The CARES office provides case management support for any enrolled student. Email the CARES office at

cares@csus.edu to speak with a case manager about the resources available to you. Check out the CARES website: https://www.csus.edu/student-affairs/crisis-assistance-resource-education-support/ **Learner-instructor interactions**

• I will post announcements on Canvas. Please check Canvas often. • I will provide feedback to your submission through Canvas.

- If I need to contact a student individually, I will email the student through Canvas email.
- The preferred way to interact with me is through Zoom during class time. • If you have any questions, please submit it to Q&A in the discussion board (click the left side of Canvas' navigation)
- If you have questions that you don't want other students to see, you can also email me your questions through Canvas email. I will do my best to reply to your emails and messages within two working days.

Learner-Learner interaction

- Students can interact with other students by using the Q&A section of the discussion board. • There is a "Discussion board to communicate with your peers". You can also communicate with your peers by posting in these discussion
- boards.