CSC 4402 Introduction to Database Management System
Spring 2020

Time & Place: Tuesday & Thursday 3:00-4:20 pm 1206 Patrick F. Taylor Hall

Lab: 2324 Patrick F. Taylor Hall

Instructor: Prof. Mingxuan Sun   **Office:** 3272S Patrick F. Taylor Hall
Email: msun@csc.lsu.edu
Office Hours: Monday & Tuesday 2:00-3:00 pm

Prerequisites: CSC 3102 Advanced Data Structures and Algorithms

Course Objectives: The objective of the course is to introduce the fundamental concepts of database systems, acquaint the students with the use of current relational database systems, and build a solid foundation for advanced studies in database area.

Text: Database System Concepts, Silberschatz, Korth and Sudarshan, 6th Ed., McGraw-Hill

Topics: Basic concepts of database systems (Chapter 1)
                       Relational data model and relational algebra (Chapter 2 and 6)
                       The SQL language (Chapter 3 and 4)
                       Database design and normalization (Chapter 7 and 8)
                       Indexing, query processing and optimization (Chapter 10, 11, 12 and 13)

Grading/Evaluation:

Quiz	5%	
Class participation	5%	
Homework	15%	
Project	10%	
Midterm	25%	(3:00-4:20 pm, Th Mar. 05)
Final	40%	(12:30-2:30 pm, W May. 06)

A+ >= 96.6% A >= 93.3% A- >= 90.0%
B+ >= 86.6% B >= 83.3% B- >= 80.0%
C+ >= 76.6% C >= 73.3% C- >= 70.0%
D+ >= 66.6% D >= 63.3% D- >= 60.0% F < 60.0%

Classroom Policies:
   A. **General Policy:** Students are expected to attend classes regularly. Students are

responsible for all announcements made in class, by email, and/or posted to Moodle. All grade appeal must be made within 3 calendar days following the return of graded work. Grades are recorded on the course Moodle.

B. **Email:** Check email frequently for additional instructions. Questions may be sent to the professor or TA by email. Last minute questions (i.e. sent the night before due date) may not be answered, so tackling problems early is encouraged.

C. **Homework/Programming Assignment:** Submit your soft copy homework and coding files on Moodle. For programming assignment, you can access MySQL via the class server classes.cse.lsu.edu. Keep your account and password safe. You are responsible for any consequence such as late submission penalty due to account/password reset.

D. **Project:** Submit your soft copy packages including document and code on Moodle.

E. **Late Submission:** 10% points off, if submitted within 24 hours after the due date; 25% off, if submitted 24-48 hours after the due date; no credit if submitted two days or more days after the due date unless prior arrangements are made with the instructor with acceptable reasons.

F. **Exams:** There will be no make-ups except under very special circumstances. Any reason for a make-up must be approved by the instructor.

G. **Academic Integrity:** Cheating will not be tolerated. LSU Honor Code http://saa.lsu.edu/code governs all work in this course. Unless indicated otherwise, all submissions must be done only by the individual whose name appears on the submission.