

CIS 210 Database Design and Implementation – Spring 2018

Instructor: Weimin He, PhD

Office: B225 Science Building
Office Hours: 10:00am-12:00pm MW

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Course Description

Analyze and design databases to support computer-based information systems. Develop and program relational database management systems using SQL.

Course Objectives

- Understand essential concepts in relational database design such as entity-relationship model, relational algebra and database normalization theory
- Master basic and advanced features of Structured Query Language(SQL) for querying relational databases
- Obtain the preliminary ability to design and implement databases in real world applications

Prerequisites

- CIS 120

Textbook

- Database Systems: Design, Implementation, and Management, 10th Edition, By Carlos Coronel, Steven Morris and Peter Rob, Publisher: Course Technology

Grading

- 9 Labs (Lab): 45%
- 2 Tests (Test): 20%
- Class Participation: 5%
- Final Exam: 30% (Comprehensive)

Final grades will be assigned according to the following scale:

A: score ≥ 90 , A⁻: $87 \leq \text{score} < 90$,
B⁺: $83 \leq \text{score} < 87$, B: $80 \leq \text{score} < 83$, B⁻: $77 \leq \text{score} < 80$,
C⁺: $73 \leq \text{score} < 77$, C: $70 \leq \text{score} < 73$, C⁻: $67 \leq \text{score} < 70$,
D⁺: $63 \leq \text{score} < 67$, D: $60 \leq \text{score} < 63$, F: score < 60

I may use lower cutoff points, depending on the overall performance of the class.

Lectures

- Lecture slides and source code of class examples will be posted on D2L
- Students are strongly encouraged to attend each class and actively participate in class discussions
- Class attendance may be taken in any class without notification in advance

Assignments and Deadlines

- All assignments will be posted on D2L. It is your responsibility to check D2L on a regular basis.
- Due time of a lab will be given in the description file of the lab. You must demo your lab before the due time. You will get zero point for the lab if you do not demo the lab before the due time.

Exams

- Both tests and final exam are closed-book
- Final exam is comprehensive
- In general, any test or exam can NOT be made up
- If you miss a test or exam due to unavoidable circumstances (e.g., health), you must visit the instructor during his office hours and a written explanation along with the supporting documents must be submitted to the instructor
- Do NOT ask for make-up tests or exams if you missed a test or exam due to travel

Students with Disabilities

If you require accommodation based on disability, I would like to meet with you in the privacy of my office during the first week of the semester to ensure that you are appropriately accommodated.

Academic Integrity

Academic dishonesty of any kind will not be tolerated. If you have any questions about what constitutes academic misconduct, ask me or consult your university handbook. A description of your rights and responsibilities as a member of the UW-SP community can be found at: <http://www.uwsp.edu/admin/stuaffairs/rights/>

Student Academic Standards and Disciplinary Procedures (UWS/UWSP Chapter 14) are available at: <http://www.uwsp.edu/admin/stuaffairs/rights/http://www.uwsp.edu/admin/stuaffairs/rights/rightsChap14.pdf>

Academic Misconduct

You are encouraged to discuss assignments with each other and to seek assistance from myself or others whose function is to provide assistance to students (e.g. computer lab personnel).

However, since assignments are a part of the final grade in the course, you must limit the amount of assistance you receive. Such assistance must be limited to a verbal discussion of the approach to an assignment, and may not include substantive solution of the assignment by the person providing the assistance.

If you submit an assignment which is in whole or in part the work of another person or persons, then you, and any such other person or persons whether enrolled in the class or not, will be dealt with as prescribed by Chapter UWSP 14 of the Rules of the Board of Regents of the University of Wisconsin System, Wisconsin Administrative Code.