CIS 210 Database Design and Implementation – Spring 2022

Instructor:	Weimin He, PhD

Virtual Class Time:	11:00am-12:50pm Monday and Wednesday
Virtual Office Hours:	12:00pm-2:00pm Tuesday and Thursday

Contact:	**Email:** whe@uwsp.edu

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 or concurrent registration; CNMT 110 for Data Analytics Majors

Textbook

- Database Systems: Design, Implementation, and Management, 13th Edition, By Carlos Coronel, Steven Morris and Peter Rob, Publisher: Course Technology

Grading

- 9 Labs (Lab):   45%
- 2 Tests (Test):   20%
- Final Exam: 35% (Comprehensive)

Final grades will be assigned according to the following scale:
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A: score >= 90, A⁻: 87 <= score < 90,
B⁺: 83 <= score < 87, B: 80 <= score < 83, B⁻: 77 <= score < 80,
C⁺: 73 <= score < 77, C: 70 <= score < 73, C⁻: 67 <= score < 70,
D⁺: 63 <= score < 67, D: 60 <= score < 63, F: score < 60
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I may use lower cutoff points, depending on the overall performance of the class.

Lectures

- Lectures will be delivered using Zoom meetings
- Lecture slides will be posted in Canvas

Assignments and Deadlines

- All assignments will be posted in Canvas. It is your responsibility to check Canvas on a regular basis.

- Due time of a lab will be given in the description file of the lab. You must submit your lab before the due time in Canvas. In general, late submission is NOT accepted for a lab assignment.

Exams

- Both tests and final exam are online, open-book, and open-notes
- Final exam is comprehensive
- In general, any test or exam can NOT be made up

Students with Disabilities

If you require accommodation based on disability, please contact the disability office and me during the first week of the semester to ensure that you are appropriately accommodated.

Academic Misconduct

You are encouraged to discuss assignments with each other and to seek assistance from myself.

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.

Guidance Related To COVID19

https://www.uwsp.edu/coronavirus/Pages/default.aspx