

Database Management Systems – CPTR-312

Monday, Wednesday, Friday, 9:00 – 9:50 AM

Instructor : Raheel Ahmad

Contact

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Office hours

- Tues: 9:00 - 12:00 am; Thu: 10:00 - 12:00 am
- Feel free to drop in at any time if I am in office. Otherwise, send me an email so we can setup an appointment.

Textbook

- Modern Database Management, 9th E. by Hoffer, Prescott, McFadden
 - [Resource website](#)
- Supplemental reading material will be provided as the class progresses

Course description and objectives

With the advent of the age of computing, we have seen a rapid increase of digital data. For managing a large collection of (related) data, databases are being used by all types of organizations, from large businesses, and government departments to individuals who want to manage their growing collection of personal data.

This course will introduce the student to databases and database management systems (DBMSs). We will study the basic concepts of relational databases, the process of database design, the query language SQL, databases in a client/server environment, object-oriented databases. The course will also cover interacting with databases with a programming language such as Java.

Pre-requisites

- CPTR 205, MATH 130

Couework and evaluation

Course evaluation will consist of homework assignments, (announced or unannounced) quizzes, midterm exams, and a final exam. Follow the due dates for each assignment submission strictly. Homework should be handed in **at the beginning of the class**. Any assignment that is submitted later than that will incur a 50% penalty. Missing an assignment submission, quiz, or exam will result in a zero score unless there is a provable extenuating circumstance.

Academic dishonesty and plagiarism

Your success in this course (and in general) depends greatly upon your integrity. Any activity that compromises your academic honesty will not be tolerated. Cheating and plagiarism will result in your automatically failing the class. Cheating is deliberate by definition. Plagiarism may not be deliberate but it *will* lead to a serious penalty regardless. Therefore, a simple guideline to follow is: when quoting another source, acknowledge it fully by citing it in the text somewhere. If you are in any doubt, please discuss with me before making a final submission. Please read the MC Source Handbook for more information on academic dishonesty.

Grading policy

Coursework weightage

Assignments	25%
Quizzes	15%
Midterm Examination	30%
Final Examination	30%

The grading scale

A :	93%
A- :	90%
B+ :	87%
B :	83%
B- :	80%
C+ :	77%
C :	73%
C- :	70%
D+ :	67%
D :	63%
D- :	60%

Disability Statement

Manchester College, in compliance with federal guidelines, is committed to assuring students with disabilities equal access to programs and activities that are provided to students without disabilities.

Any student who feels s/he may need an accommodation based on the impact of a disability should contact Bonnie O'Connell, the director of services for students with disabilities, to establish eligibility and to coordinate reasonable accommodations. It is the student's responsibility to self-disclose their disability. Students whose accommodation requests are approved will be provided with confidential letters to deliver to their professors which verify the nature of the student's disability and documents the need for auxiliary aids and services and/or academic adjustments/accommodations. Students are encouraged to meet with each professor early in the semester to discuss the academic implications of the disability as they relate to the specific course and to request appropriate accommodation. The Disabilities Office is located in the Success Center (second floor of the Union) telephone 982.5076 to schedule an appointment.