

University of Detroit Mercy
College of Engineering and Science
Department of Mathematics and Computer Science

CSC 354 Database Systems and Programming
Winter Term 2003-2004

Instructor: Ruth Huang Miller
Times: 2:00 – 3:15 P.M. TTH E222
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Office Hours: Monday 4:30-5:00 p.m., 7:30-8:00 (at Ford)
Tuesday noon-12:30 p.m.
Thursday noon-12:30 p.m.
4:30 – 5:00 p.m., 7:30 – 8:00 p.m. (at Ford)
& anytime my office door is open or by appointment

Course Description:

Database management, database system architecture, relational databases, SQL, domains, relations, relational algebra, relational calculus, integrity, views, normalization, database security, database connectivity, database programming projects.

Course Prerequisite:

CSC 172 or CSC 345

Required Text:

Peter Rob, Carlos Caronel, “Database Systems Design, Implementation & Management”, Course Technology, 5th Edition, 2002.

Course Objective:

Upon completion of the course, you should have a thorough understanding of database management and database system architecture. Students should be familiar with relational algebra, relational calculus, and different forms of normalization. Students should also be able to design and create simple database projects.

Attendance/Participation:

Students are expected to attend class on a regular basis and participate in the discussions. They are responsible for all the material therein. Formal attendance records will not be maintained; however, attendance is highly correlated with performance on the projects and the exams.

The instructor will attempt to make reasonable accommodations for students who miss a class due to illness, death in the family or other legitimate reasons. However, students who are forced to miss several classes will have difficulty completing the course in a satisfactory manner.

Academic Integrity:

Students are expected to conform to a high standard of honesty and integrity in this course. Copying the work of someone else or other forms of cheating are strictly prohibited. Permitting or tolerating such behavior is also prohibited. The minimum penalty for any offence is a 0 on that assignment. The culprits may be subject to additional sanctions, up to and including expulsion from school for serious offenses, as prescribed by the University Catalog and the Engineering and Science Student Handbook.

Projects and Homework for the Course:

Projects will be graded for scope, correctness, style, documentation, and timeliness. A project that 'works' will not receive full credit unless it is well written, properly documented and optimized.

Late homework and projects will not be accepted. However, each student will have 3 slip days. Each slip day grants and extension of the project by 24 hours.

Grading:

Projects and Homework Assignments	50%
Exam 1:	15%
Exam 2:	15%
Final Exam:	20%

Make Up Policy:

Make up exams will only be given to students who miss an exam for legitimate reasons (as defined above under "Attendance") and who notify the instructor in advance.

Important Course Dates:

Exam 1	2/26/04
Exam 2	4/08/04

Other Important Dates:

1/12/04	Last day for 100% refund
1/12/04	Last day to add a class
1/13-19/04	75% Refund Period
1/20-26/04	50% Refund Period
1/27-2/4/04	25% Refund Period
1/30/04	Last day to drop a course without a 'W'
3/8/04	Advising for Fall Term 2004-2005 begins
3/15/04	Registration for Fall Term 2004-2005 begins