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Fall 9-2002

IS 370.02: Database Management Systems

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Recommended Citation

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IS 370 01 Database Management Systems TR 11:10-12:30 GBB L09
IS 370 02 Database Management Systems TR 12:40-2:00   GBB L09

Instructor: Dr. Gerald Evans
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Office Hours: TR 8:30-9:30 am
Text: Modern Database Management Sixth Edition by Hoffer, Prescott and McFadden

Specific skills that will be acquired in this class:

- Building conceptual database models using Entity-Relationship diagrams
- Skill in Microsoft Visio drawing E-R diagrams
- Hands-on physical database design using Microsoft Access
- A thorough introduction to SQL (Structured Query Language)
- A hands-on introduction to client/server and internet databases

Schedule

9/3, 5	Chapter 1: The Context of Database Management Chapter 2: Database Development Process
9/10, 12	Chapter 3: The Entity-Relationship Model
9/17, 19	Chapter 4: The Enhanced E-R Model and Business Rules
9/24, 26	Introduction to Microsoft Access
10/1, 3	Chapter 15: Object-Oriented Modeling
10/8, 10	Chapter 5: Logical Database Design and the Relational Model
10/15, 17	Chapter 6: Physical Database Design
10/22, 24	Chapter 7: SQL
10/29, 31	Chapter 8: Advanced SQL
11/7	Chapter 9: Client/Server Database Environment
11/12, 14	Chapter 10: Client/Server Database Environment
11/19, 21	Chapter 11: Internet Database Environment
11/26	Project Presentations
12/3, 5	Project Presentations

12/10, 12   Project Presentations

Final Exam Schedule: Section 01, 12/17 10:10am-12:00 pm Project Presentations
                      Section 02, 12/18 10:10am-12:00 pm Project Presentations

Grading: Six to ten quizzes or computer assignments will be given randomly throughout the semester. The quizzes will be objective format exams that will test knowledge of terms and relevant skills (e.g. drawing E-R diagrams). The homework will be computer assignments that must be completed individually. The quiz and homework scores will count 75% of the final grade. The remaining 25% of the final grade will be the project.

Project: Each individual student will develop a database project in Microsoft Access. The project can be for a specific business, a case from this or another text, or a fictitious organization. The specifications for the project are as follows: Each database must consist of at least 3 tables and include 2 queries, 2 forms, and 2 reports. In addition to the actual presentation, each student must turn in copies of their Power Point slides, E-R diagrams, printouts of data tables, forms and reports, and any necessary supporting materials. The projects will be presented on the dates shown in the course schedule. Specific presentation times for each team will be developed later in the course. All students must attend all presentations.