

UMKC Bloch Business School
BIS 552 "Data Base Management" LEC V0A
Course Syllabus for Fall, 2001
Mondays, Wednesdays at 7:00_9:45 P.M. in Bloch 4

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Hours: I do not have set office hours. I am available by appointment. In addition, I am usually in and out of my office from 9:30 _ 5:00 Monday_Thursday and will be pleased to visit with you on a drop_in basis. If you are coming from a distance, it is best to call to be sure I am in before making the trip. If you use my voice mail, be sure to dictate your phone number slowly and clearly.

Course Objectives:

- Understanding of database environment.
- Understand theory and reality of the relational data model.
- Be able to document data requirements using unified modeling language.
- Be able to apply normalization theory to database design.
- Use Access to develop a working business application.

Textbook: Gerald V. Post, *Database Management Systems: Designing and Building Business Applications*, Irwin McGraw Hill, 1999.

Prerequisite: MIS 502 or equivalent.

ADA: If you have any questions about disability or desire accommodation under the Americans With Disabilities Act, please contact the Office of Disabled Student Services at 816_235_1083.

Attendance: You are responsible for everything that happens during class time, regardless of your attendance.

Winter Weather:

Although I do not anticipate the necessity of this, it is possible that it may be necessary to cancel class due to inclement weather. This class will meet if UMKC is open; on the other hand, if UMKC is closed, this class is canceled. Students who are unable to attend class during bad weather when the class has not been canceled should call and leave a message on the professor's voice mail system indicating this. If class is canceled due to closure of the university, all activities scheduled for the canceled session will take place during the next class meeting including exams and assignment due dates.

Grading: Your grade will come from two closed_book and closed_note exams, several computer_oriented assignments, and several design/theory_oriented assignments. All homework assignments together will be weighted the same as one exam. There will be a homework assignment almost every week. Class participation and attendance will count as one assignment.

On Effort: Performance may be affected by your effort, which in turn may be affected by the grade you need to receive. However, just as in most workplaces where salary is affected by your performance rather than your effort and needs, grades in this class will come from performance.

Late assignments:

You will have one week in which to do most assignments. After that, they are late. Late assignments will be accepted with a 20% penalty as well as a substantial risk that I will misplace them. FAX transmission of assignments is also acceptable, provided you attach a cover sheet with my name on it and provided you accept the risk that the assignment may be misplaced. Assignments will not be accepted via e_mail attachment.

Cooperation: Assignments are expected to be substantially your own work. However, you may work together to a limited extent. If cooperation seems excessive, you will be given an opportunity to show that you can do the work by yourself.

No form of cooperation during exams is allowed.

Incomplete: University policy allows the assignment of the I grade if the student cannot complete the course due to illness or serious reasons beyond his/her control. As this work must be completed within a year before lapsing to an F, the I grade imposes serious risks upon the student and should not be assigned lightly. Discuss problems in advance when it is possible to do so.

Document your grade! I occasionally make errors in entering grades. Keep all graded homework and exams until you receive your official grade report from the university.

ON_CAMPUS COMPUTER ACCOUNT: : If you do not already have a UMKC lab/e_mail account, you are required to obtain a userid. This will be required when we begin working with Access. Please do this prior to the second class meeting.

Software Version: If you use Access 97 at home or office, it will be best if you use the same version at the University. It should not be necessary to upgrade to Access 2000 just to be successful in this course. As of a week before classes began, the University had not installed Access XP; if you use Access XP, let me know.

Finally, all aspects of this class will be handled logically, sensibly, and with understanding of your situation. This syllabus will not be followed blindly in defiance of common sense; exceptions can and will be made according to good judgement.

Tentative Topic Schedule

Date	Topics	Reading (Numbers are textbook chapters.)
8/23	course policies; files versus databases; what is a database management system; data models.	syllabus; 1
8/30	database administration; access demonstration.	10
9/6	queries; queries in access & sql.	4, 5
9/13	reports	6
9/20	database requirements; class diagrams	2
9/27	UML and Rational Rose	tba
10/4	normalization theory	3 (to page 87)
10/11	database design; data dictionary	3 (from page 87)
10/18	Midterm Exam	
10/25	forms and application development	7, 8
11/1	object oriented approach	12 & tba
11/8	distributed databases	11
11/15	knowledge management	tba
11/22	Thanksgiving; no class	
11/29	data warehouses; data mining	tba
12/6	Final Exam	
12/13 8:00-10:00 p.m.	return exams	

Besides this syllabus, this course is conducted under the regulations of UMKC as described in the current catalog and by the regulations of the Business Administration Division as described at the URL <http://bsbpa.umkc.edu/classes/day/syllabisupplement.htm>