



**Department of Electrical and Computer Engineering
University of Puerto Rico
Mayagüez Campus**

Agenda for ICOM 5016 – Introduction to Database Systems Fall 2005

The following is the tentative agenda for the topics to be covered in this course. This agenda might be revised as the semester progresses.

Lecture	Date	Topic	Reading
1	August 11	Syllabus, Introduction to the Course	Chap. 1
2	August 16	Web Application Development	Chap. 8 & Notes
3	August 17		
4	August 23	E-R Modeling	Chap. 6
5	August 25		
6	August 30		
7	September 1	Relational Model & Algebra	Chap. 2
8	September 6		
9	September 8		
*	September 12	Midterm Exam I – 6:00 PM	*
10	September 13		
11	September 15	E-R to Relational Mappings	Chap. 6, Sec. 6.9
12	September 20	SQL	Chap. 3
13	September 22		
14	September 27		
15	September 29	SQL Integrity and Security	Chap. 4
16	October 4	Normalization and Relational Database Design	
17	October 6		Chap. 7
18	October 11	Object-based Databases	Chap. 9
19	October 13	XML	Chap. 10
*	October 17	Midterm Exam II – 6:00 PM	*
20	October 18	Storage Organization	Chap. 11
21	October 20		
22	October 25	File and Record Structures	Chap. 11
23	October 27	Indexing	Chap. 12

Lecture	Date	Topic	Reading
24	November 1	Indexing	Chap. 12
25	November 3	Transaction Processing	Chap. 15
26	November 8		
27	November 10	Concurrency Control	Chap. 16
28	November 15	Database Recovery	Chap. 17
29	November 17	Query Processing	Chap. 13
*	November 22	Virtual Friday (NO CLASS)	*
*	November 23	Midterm Exam III – 6:00 PM	*
*	November 24	Thanksgiving Holiday (NO CLASS)	*
30	November 29	Query Optimization	Chap. 14
		Final Exam Scheduled by UPRM Registrar	