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

Agenda for ICOM 5016 – Introduction to Database Systems Fall 2004

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 12	Syllabus, Introduction to the Course	Chap. 1 & 2
2	August 17	Entity-Relationship (E-R) Model and OO Modeling	Chap. 3 & 4
3	August 19		
4	August 24		
5	August 26		
6	August 31	Relational Model & Algebra	Chap. 5 & 6
7	September 2		
8	September 7		
9	September 9		
10	September 14	E-R to Relational Mappings	Chap. 7
*	September 15	Midterm Exam I – 6:00 PM	*
11	September 16	SQL	Chap. 8 & 9
12	September 21		Chap. 8 & 9
*	September 23	Grito de Lares Holiday (**NO CLASS**)	*
13	September 28	SQL	
14	September 30		
15	October 5	Web Application Development	Handouts
16	October 7		
*	October 12	Columbus Day Holiday (**NO CLASS**)	
17	October 13 (Virtual Tuesday)	Integrity and Security	Handouts
18	October 14	Normalization and Relational Database Design	Chap. 10

Lecture	Date	Topic	Reading
*	October 18	Midterm Exam II – 6:00 PM	*
19	October 19	Normalization and Relational Database Design	
20	October 21	Object-based Databases	Chap. 20 & 22
21	October 26	XML	Chap. 26
22	October 28	Disk Organization	Chap. 13
*	November 2	Election Day Holiday (**NO CLASS**)	
23	November 4	File Structures	Chap. 13
24	November 9	Indexing Mechanisms	Chap. 14
25	November 10 (Virtual Thursday)	Transaction Processing	Chap. 17
26	November 16		
27	November 18	Concurrency Control	Chap. 18
*	November 22	Midterm Exam III – 6:00 PM	*
28	November 23	Database Recovery	Chap. 19
29	November 30	Query Optimization	Chap. 15
30	December 2		
		Final Exam Scheduled by UPRM Registrar	