



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

## Agenda for ICOM 4035 – Data Structures (CS2) Fall 2003

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

<b>Lecture</b>	<b>Date</b>	<b>Topic</b>	<b>Reading</b>
1	August 14	Syllabus, Introduction to the Course	Chap. 1 Sec 1.1 & 1.3
2	August 19	Container Classes: Bags & Sets	Chap. 2 & 3
3	August 21	Operator-Overloading	
4	August 26	Inheritance	Chap. 14
5	August 28		
6	September 2	Big-O Notation	Chap. 1, Sec. 1.2
7	September 4		
8	September 9	Pointers & Dynamic Arrays	Chap. 4
9	September 11		
10	September 16	Linked Lists	Chap. 5
*	September 17	Midterm Exam I – 6:00 PM	*
11	September 18	Linked Lists	Chap. 5
*	September 23	Grito de Lares Holiday (NO CLASS)	*
12	September 25	Linked Lists	
13	September 30	Templates & Linked Lists	Chap. 6, Sec. 6.1-6.4
14	October 2	Class Iterators	Chap. 6, Sec. 6.5-6.6
15	October 7	Stacks	Chap. 7
16	October 9		
17	October 14	Queues	Chap. 8
18	October 16		
19	October 21	Recursion Review	Chap. 9
*	October 22	Midterm Exam II – 6:00 PM	*
20	October 23	Trees	Chap. 10

<b>Lecture</b>	<b>Date</b>	<b>Topic</b>	<b>Reading</b>
21	October 28	Trees	Chap. 10
22	October 30		
23	November 4	Heaps	Chap. 11, Sec. 11.1
24	November 6	B-Trees	Chap. 11, Sec. 11.2
25	November 13	Searching and Hashing	Chap. 12
26	November 18		
27	November 20	Sorting	Chap. 13
*	November 24	Midterm Exam III – 6:00 PM	*
28	November 25	Sorting	
29	December 2	Graphs	Chap. 15
30	December 4		
		<b>Final Exam</b> Scheduled by UPRM Registrar	