



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

Agenda for ICOM 4035 – Data Structures (CS2) Spring 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.

Lecture	Date	Topic	Reading
1	January 14	Syllabus, Introduction to the course	Chap. 1 and Chap. 2
2	January 16	Container Classes and Object-Oriented Programming	Chap. 2 and Chap. 3
*	January 21	“Virtual Monday” (NO CLASS)	*
3	January 23	Inheritance	Chap. 14
4	January 28		
5	January 30	Big-O Notation	Chap. 1, Sec. 1.2
6	February 4		
7	February 6	Pointers & Dynamic Arrays	Chap. 4
8	February 11		
9	February 13	Linked Lists	Chap. 5
10	February 18		
***	February 19	Midterm Exam I – 6:00 PM	***
11	February 20		
12	February 25	Templates, C++ STL	Chap. 6, Sec. 6.1-6.4
13	February 27	Class Iterators	Chap. 6, Sec. 6.5-6.6
14	March 4	Stacks	Chap. 7
15	March 6		
16	March 11	Queues	Chap. 8
17	March 13		
18	March 18	Recursion	Chap. 9
***	March 19	Midterm Exam II – 6:00PM	***
19	March 20	Trees	Chap. 10
20	March 25		

Lecture	Date	Topic	Reading
21	March 27	Trees	Chap. 10
22	April 1	Heaps	Chap. 11, Sec. 11.1
23	April 3		
24	April 8	B-Trees	Chap. 11, Sec. 11.2
25	April 10	Searching and Hashing	Chap. 12
*	April 15	Easter Break (NO CLASS)	*
*	April 17	Easter Break (NO CLASS)	*
26	April 22		
*	April 24	“Virtual Monday” (NO CLASS)	*
27	April 29	Sorting	Chap. 13
***	April 30	Midterm Exam III – 6:00PM	***
28	May 1		
29	May 6	Graphs	Chap. 15
30	May 8		
		Final Exam Scheduled by UPRM Registrar	