

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

**Agenda for ICOM 4035 – Data Structures (CS2)
Fall 2002**

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 15	Syllabus, Introduction to the course	Chap. 1 Sec 1.1 & 1.3
2	August 20	Object-Oriented Programming	Chap. 2
3	August 22		
4	August 27	Inheritance	Chap. 14
5	August 29		
6	September 3	Big-O Notation	Chap. 1, Sec. 1.2
*	September 5	“Virtual Monday” (NO CLASS)	*
7	September 10	Container Classes	Chap. 3
8	September 12	Pointers & Dynamic Arrays	Chap. 4
9	September 17		
	September 18	Midterm Exam I – 6:00 PM	
10	September 19	Linked Lists	Chap. 5
11	September 24		
12	September 26		
13	October 1	Templates, C++ STL	Chap. 6, Sec. 6.1-6.4
14	October 3	Class Iterators	Chap. 6, Sec. 6.5-6.6
15	October 8	Stacks	Chap. 7
16	October 10		
17	October 15	Queues	Chap. 8
	October 16	Midterm Exam II – 6:00 PM	
18	October 17		
19	October 22	Recursion	Chap. 9
20	October 24	Trees	Chap. 10
21	October 29		

Lecture	Date	Topic	Reading
22	October 31	Trees	Chap. 10
23	November 5	Heaps	Chap. 11, Sec. 11.1
24	November 7	B-Trees	Chap. 11, Sec. 11.2
25	November 12	Searching and Hashing	Chap. 12
26	November 14		
*	November 19	Discovery of Puerto Rico (NO CLASS)	*
27	November 21	Sorting	Chap. 13
	November 25	Midterm Exam III – 6:00 PM	
28	November 26		
29	December 3	Graphs	Chap. 15
30	December 5		
		Final Exam Scheduled by UPRM Registrar	