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

Agenda for ICOM 4035 – Data Structures (CS2)
Spring 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	January 15	Syllabus, Introduction to the Course	Chap. 1 Sec 1.1 & 1.3
2	January 20	Container Classes: Bags & Sets	Chap. 2 & 3
*	January 21	Virtual Monday No Wednesday Labs	
3	January 22	Operator-Overloading	
4	January 27	Inheritance	Chap. 14
5	January 29		
6	February 3	Big-O Notation	Chap. 1, Sec. 1.2
7	February 5		
8	February 10	Pointers & Dynamic Arrays	Chap. 4
9	February 12		
10	February 17	Linked Lists	Chap. 5
11	February 19	Linked Lists	Chap. 5
*	**February 20**	**Midterm Exam I – 4:00 PM**	*
12	February 24	Linked Lists	
13	February 26	Templates & Linked Lists	Chap. 6, Sec. 6.1-6.4
14	March 2	Class Iterators	Chap. 6, Sec. 6.5-6.6
15	March 4	Stacks	Chap. 7
16	March 9		
17	March 11	Queues	Chap. 8
18	March 16		
19	March 18	Recursion Review & Trees	Chap. 9
*	March 24	Virtual Monday - No Class	*
20	March 25	Trees	Chap. 10

Lecture	Date	Topic	Reading
*	**March 26**	**Midterm Exam II – 4:00 PM**	*
21	March 30	Trees	Chap. 10
22	April 1		
*	April 5- April 9	Easter Break – No Class or Labs	*
23	April 13	Heaps	Chap. 11, Sec. 11.1
24	April 15	B-Trees	Chap. 11, Sec. 11.2
25	April 20	Searching and Hashing	Chap. 12
*	April 22	Virtual Monday - No Class	
26	April 27	Searching and Hashing	Chap. 12
27	April 29	Sorting	Chap. 13
*	**April 30**	**Midterm Exam III – 4:00 PM**	*
28	May 4	Sorting	
29	May 6	Graphs	Chap. 15
30	May 11		
		Final Exam Scheduled by UPRM Registrar	