

Lab and Lecture Schedule (Tentative)

Updated: November 12, 2008

The lab dates listed here are the week of the lab, not the actual lab dates since there may be several lab sections each week. Readings labeled BJ are from Big Java. All other readings can be found on blackboard.

Class	Date	Topic	Reading	Assignment
Lab 1		Eclipse		
1	8/27	Introduction		
2	8/29	life-cycle, designing classes	DSAJ pg 58-62	
Lab 2		Subversion		
3	9/1	Use Cases, CRC, UML	BJ Ch. 8.1-8.4, 12.1-12.2	
4	9/3	Testing, Version Control, Debugging	DSAJ pg 70-75, BJ Ch. 12.3	
5	9/5	Memory Layout, Arrays		
Lab 3		Debugging		
6	9/8	Inheritance, Interfaces, Super	BJ Ch. 8.5-8.8, 9.1-9.3, 10.1-10.8	HW1 out
7	9/10	Copy Constructors		
8	9/12	Polymorphism, Generics	BJ Ch. 17.1-17.3	
Lab 4		UML and Violet		
9	9/15	Exceptions	BJ Ch. 11.1-11.6	Hw1-1 due
10	9/17	Java Files and Streams	BJ Ch. 19.1, 19.4	
11	9/19			
		No Lab		
12	9/22	Recursion	CFJ pgs 591-608, BJ Ch. 13.1-13.3	Hw1-2 due
13	9/24			
14	9/26	Exam 1 (Life Cycle - Exceptions)		
Lab 5		Exceptions		
15	9/29			Hw1-3 due, Hw2 out
16	10/1			
17	10/3			
Lab 6		Recursion		
18	10/6	Searching and Sorting	BJ Ch. 14.1, 14.4, 14.7	Hw2-1 due
19	10/8	Movie: Sorting out Sorting		
20	10/10	Algorithm Analysis	BJ Ch. 14.3, 14.5, 14.6, DSAJ pg 199-207	
		No Lab		
	10/13	Fall break		
21	10/15	Quicksort and Analysis		Hw2-2 due
22	10/17			
Lab 7		Quicksort		
23	10/20	List ADT w/ Prof Meng	BJ Ch. 15.1-15.3	
24	10/22	List Implemented as Array		Hw2-3 due, Hw3 out
25	10/24	List Implemented as Linked List		
Lab 8		Linked List		
26	10/27	Stack ADT		Hw3-1 due

27	10/29	Stack Implemented as Array	BJ Ch. 15.4	
28	10/31	Exam 2 (File IO - Linked Lists)		
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Lab 9		Stack		
29	11/3	Stack Implemented as Linked List	MSD Ch. 6.3	Hw3-2 due
30	11/5	Run-time Stack, Infix to Postfix		
31	11/7	Queue ADT	MSD Ch. 6.4	
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Lab 10		Queue		
32	11/10			Hw3-3 due, Hw4 out
33	11/12	Priority Queues	BJ Ch. 16.8	
34	11/14			
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Lab 11		Priority Queues		
35	11/17	Tree ADT	BJ Ch. 16.5-6	Hw4-1 due
36	11/19			
37	11/21			
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		No Lab		
38	11/24			
	11/26	Thanksgiving break		
	11/28	Thanksgiving break		
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Lab 12		Animal Game		
39	12/1	Binary Search Tree	BJ Ch. 16.9-10	Hw4-2 due
40	12/3			
41	12/5	Heaps		
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42	12/8			Hw4-3 due
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