

Syllabus {January 6, 2014}

Date	Topic	Reading and Assignments
1. Jan 16 Th	Introduction	D&D 1.6-1.10
2. Jan 17 F	Unix Basics	Basic Unix web site
3. Jan 21 Tu	Introduction to C	printf, primitive types, scanf #include, #define, if, sizeof, for
Jan 22 Tu/W LAB 1	The Mechanics of Creating and Running Programs under Unix	
4. Jan 23 Th	functions	D&D Chapter 5
5. Jan 24 F	arrays, call-by-value call-by-reference	D&D Chapter 6 Program 1 Due at 8 p.m.
6. Jan 27 M	pointers, strings	D&D Chapter 7 and 8
7. Jan 28 Tu	structs	D&D Chapter 10
Jan 29 Tu/W LAB 2	Arrays, debugging and make	
8. Jan 30 Th	memory allocation; malloc, free	D&D Section 12.3
9. Jan 31 F	Data Structures	D&D Chapter 12
10. Feb 3 M	Event lists, linked lists	Program 2 Due at midnight
11. Feb 4 Tu	queues	D&D Chapter 12
Feb 5 Tu/W LAB 3	Command Line Arguments and Event Lists	
12. Feb 6 Th	Review	
13. Feb 7 F	Mid Term Exam (closed book)	
14. Feb 10 M	trees	D&D Chapter 12
15. Feb 11 Tu	doubly linked lists, tree traversals	D&D Chapter 12
Feb 12 Tu/W LAB 4	Trees	
16. Feb 13 Th	Review Exam, Stacks and Hashing	Program 3 Due at midnight
17. Feb 14 F	Hashing, Introduction to C++	D&D Chapter 15
18. Feb 17 M	C++ terminology	D&D Chapter 15
19. Feb 18 Tu	Classes and Objects	D&D Chapter 16
Feb 19 Tu/W LAB 5	Simulating Packets in C++	
20. Feb 21 F	Classes and Objects	D&D Chapter 17 Program 4 Due at midnight
21. Feb 24 M	Constructors and Destructors	
22. Feb 25 Tu	Composition	D&D Chapter 18
Feb 26 Tu/W LAB 6	(Optional Lab - Finish LAB 5)	
23. Feb 27 Th	Operation Overloading	D&D Chapter 19
24. Feb 28 F	Inheritance	D&D Chapter 20
25. Mar 3 M	Polymorphism	D&D Chapter 21
26. Mar 4 Tu	Templates	D&D Chapter 22
Mar 5 W		Program 5 Due at 5 p.m.
27. Mar 6 Th	Review	
28. Mar 7 F	FINAL EXAM (closed book)	