

Syllabus {August 18, 2014}

Date	Topic	Reading and Assignments
1. Aug 29 F	Introduction	D&D 1.6-1.10
2. Aug 29 F	Unix Basics	Basic Unix web site
3. Sep 2 Tu	Introduction to C	printf, primitive types, scanf #include, #define, if, sizeof, for
4. Sep 2 Tu	Functions	D&D Chapter 5
Sep 3 W LAB 1	The Mechanics of Creating and Running Programs under Unix	
5. Sep 5 F	Arrays, Call-by-Value	D&D Chapter 6
	Call-by-Reference	Program 1 Due at 11:59 p.m.
6. Sep 5 F	Pointers, Strings	D&D Chapter 7 and 8
7. Sep 9 Tu	Structs	D&D Chapter 10
8. Sep 9 Tu	Memory Allocation ; malloc, free	D&D Section 12.3
Sep 10 W LAB 2	Arrays, Debugging and make files	
9. Sep 12 F	Data Structures	D&D Chapter 12
10. Sep 12 F	Event Lists, Linked Lists	
Sep 15		Program 2 Due at 11:59 p.m.
11. Sep 16 Tu	Queues	D&D Chapter 12
12. Sep 16 Tu	Review	
Sep 17 W LAB 3	Command Line Arguments and Event Lists	
13. Sep 19 F	Trees	D&D Chapter 12
14. Sep 19 F	Mid Term Exam (closed book)	
15. Sep 23 Tu	Doubly Linked Lists, Tree Traversal	D&D Chapter 12
16. Sep 23 Tu	Stacks and Hashing	Program 3 Due at 11:59 p.m.
Sep 24 W LAB 4	Trees	
17. Sep 26 F	Introduction to C++	D&D Chapter 15
18. Sep 26 F	C++ Terminology	D&D Chapter 15
19. Sep 30 Tu	Classes and Objects	D&D Chapter 16
20. Sep 30 Tu	Classes and Objects	D&D Chapter 17
Oct 1 W LAB 5	Simulating Shoppers at RR Stores	
21. Oct 3 F	Constructors and Destructors	
22. Oct 3 F	Composition	D&D Chapter 18
		Program 4 Due at 11:59 p.m.
23. Oct 7 Tu	friend functions and this pointer	D&D Chapter 18
24. Oct 7 Tu	Operation Overloading	D&D Chapter 19
Oct 8 W LAB 5	(Optional - Finish LAB 5)	
25. Oct 10 F	Inheritance	D&D Chapter 20
26. Oct 10 F	Review	
27. Oct 14 Tu	FINAL EXAM (closed book)	
Oct 15 W		Program 5 Due at 11:59 p.m.