

Fall 2007
CSC230 C Programming and Software Tools

Calendar

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Program [list.c](#)

Program [getpage.c](#)

Program [chatsend.c](#)

Program [chatrecv.c](#)

Program [jokeask.c](#)

Week	Day	Topic	Reading (Text or Other Source)	Due
Aug 22-24	Wed	First Day of Class, C vs. Java [6ppcolor , 6ppbw]	Syllabus, Calendar	
	Fri	Programming Environment, First Program [6ppcolor , 6ppbw]	Sections 1.1	
Aug 27-31	Mon	Lexical Rules [6ppcolor , 6ppbw]	Section A.1-A.2, A.13	
	Wed	Data Types and Conversion + Basic Input and Output [6ppcolor , 6ppbw]	1.2, 1.4, 2.1-2.5, 2.7, 1.5, 7.1	HW1
	Fri	C Operators [6ppcolor , 6ppbw]	1.2, 2.5-2.6, 2.8-2.12	
Sept 3-7	Mon	<i>(no class, Labor Day Holiday)</i>		
	Wed	C Operators (cont'd)[no slides]		
	Fri	Flow of Control [6ppcolor , 6ppbw]	1.3, 3.1-3.8	HW2
Sept 10-14	Mon	Functions and Program Structure [6ppcolor , 6ppbw]	1.7-1.8, 1.10, 4.1-4.2, 4.10	
	Wed	Functions and Program Structure (cont'd)		
	Fri	Variable Scope and Initialization [6ppcolor , 6ppbw]	1.10, 4.3-4.9	HW3
Sept 17-21	Mon	Preprocessing, Macros, Conditional Compilation [6ppcolor , 6ppbw]	4.11, A.12	
	Wed	Arrays [6ppcolor , 6ppbw]	1.6, 1.9	
	Fri	Exam 1		
Sept 24-28	Mon	Arrays (cont'd)		
	Wed	Pointers [6ppcolor , 6ppbw]	5.1-5.9, 5.11-5.12	
	Fri	Pointers (cont'd)		
Oct 1-5	Mon	Command Line Arguments [6ppcolor , 6ppbw]	5.10, 7.3	
	Wed	Structures [6ppcolor , 6ppbw]	6.1-6.6	HW4 (on Thursday Oct 4)
	Fri	Structures (cont'd)		
Oct 8-12	Mon	Using a Symbolic Debugger	7.8.5,8.7	
	Wed	Static and Dynamic Memory Allocation [6ppcolor , 6ppbw]		
	Fri	<i>(no class, Fall Break)</i>		
Oct 15-19	Mon	Typedefs, Unions, Bitfields [6ppcolor , 6ppbw]	6.7-6.9	
	Wed	Standard Library [6ppcolor , 6ppbw]	7.1-7.8,B.1-B.11	HW5
	Fri	Standard Library (cont'd)		
Oct 22-26	Mon	Separate Compilation, Archives [6ppcolor , 6ppbw]		
	Wed	Exam 2		
	Fri	Dependencies, Automating Tasks with make		
Oct 29-Nov 2	Mon	Profiling and Optimization [6ppcolor , 6ppbw] tar file of examples (16MB)		
	Wed	(optimization, and byte ordering)		
	Fri	Debugging Tar file of test program files		

Nov 5-9	Mon	Portability and Localization [6ppcolor , 6ppbw]		HW6
	Wed	Secure Coding [6ppcolor , 6ppbw]		
	Fri	Secure Coding (cont'd)		
Nov 12-16	Mon	Version Control with svn, Build/Test/Release [6ppcolor, 6ppbw]		
	Wed	Processes and IPC [6ppcolor , 6ppbw] [Code examples tar file]		
	Fri	Processes and IPC (cont'd)		
Nov 19-23	Mon	Exam 3		
	Wed	(no class, Thanksgiving Vacation)		
	Fri	(no class, Thanksgiving Vacation)		
Nov 26-30	Mon	Exam 3		
	Wed	Sockets Programming [6ppcolor , 6ppbw]		
	Fri	Sockets Programming (cont'd)		HW7
Dec 3-7	Mon	Sockets Programming (cont'd)		
	Wed	Review		
	Fri	(No class this day)		HW8
Dec 17	Mon, 8:00am-11:00am	FINAL EXAM		

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