

CSSE2310/CSSE7231 – Computer Systems Principles and Programming Semester Two, 2022

Date (Monday)	Week	Lecture Tue 12pm to 1:50pm (2 hours)	Contact Thu 10am to 10:50am (1 hour)	Prac (2 hours)	Assessment
25 July	1	Course introduction, Introduction to Linux & C	C programming demo	Linux and vim tutorials, C intro	
1 August	2	C programming (cont.) Pointers, Memory, Strings	Subversion (SVN) intro, Makefiles	C exercises, Make & Subversion exercises	A1 released
8 August	3	C programming (cont.) Multi-dim array, files, etc.	C programming (cont.)	C exercises, A1 help	
15 August	4	C programming (cont.) Stack & function calls	Debugging and A2 introduction	C exercises, A1 help	A2 released
22 August	5	OS introduction and shell concepts	Secure and defensive programming	A1 help	A1 due Fri 26 Aug
29 August	6	Processes fork(), exec(), wait()	Processes (cont.) and signals	Process exercises, A2 help	
5 September	7	File descriptors, pipes	File descriptors, pipes (cont.)	Process & file desc. exercises, A2 help	A2 due Fri 9 Sep
12 September	8	Threads and synchronisation	Threads (cont.) / examples	File desc. Exercises, A3 help	A3 released
19 September	9	Networks introduction – layers, IP, TCP, UDP	Makefiles revisited & modularity	A3 help	
26 September	Mid-Semester Break				
3 October	10	Network programming	Network programming examples	A3 help	A3 due Fri 7 Oct
10 October	11	IP addresses	Network exercises	Exercises, A4 help	A4 released
17 October	12	Virtual memory	Virtual memory exercises	A4 help	
24 October	13	File systems	File system exercises	A4 help	A4 due Fri 28 Oct
31 October	Revision Period / Exam Period	Revision Session(s) (to be scheduled when exam time is known)			
7 November					Final Exam
14 November					

Last updated 20 July 2022.

Legend: Class taught by A/Prof Peter Sutton

Class taught by A/Prof John Williams

Assessment