

Note: Students often take CS253 and CS211 at the same time, which is fully supported. The schedule below emphasizes C once students taking CS211 have had some time to learn the basics of C++. To begin working in the right direction, we'll add in a little bit of C each week starting at the beginning, so that everyone is ready when the class re-focuses on C after the midterm. I'm teaching both CS253 and CS211 this semester, so I can make sure CS253 doesn't get ahead of CS211.

CS253 Systems Programming Fall 2023 Calendar		
Week	Course Content	Relevant Chapters
Aug 21	Introduction to Linux, file tree, terminals, SSH	1-3
Aug 28	Input redirection, pipes, more command line usage	4-6
Sep 4	Labor day, Permissions, more advanced shell usage	7-9
Sep 11	Variables Processes and process management, OS structure	10 and 11
Sep 18	Package Management, Installing Programs, Software Development	14 and 22
Sep 25	Networking	16
Oct 2	Finding things, archiving, backups	17, 18
Oct 9	Regular Expressions and Text Processing	19, 20
Oct 16	Midterm Exam and Answers	
Oct 23	C Memory Management	TBD
Oct 30	Fork/exec process management	TBD
Nov 6	More on C ASCII Strings	TBD
Nov 13	Pipes and File Descriptors, Signals	TBD
Nov 20	Thanksgiving Break! No class all week	
Nov 27	Remaining C programming topics	TBD
Dec 4	Topics of Interest or Review	
Dec 11	Final Exam Wednesday, December 13, at 12:00 PM	