

Date	Lec #	Topic(s)	Playlist	Projects	Labs
Tue Aug 27	1	Course Policy, Material Introduction	N/A		No Lab
Thu Aug 29	2	Stack, Queue, and Priority Queue ADTs	<a href="#">Playlist</a>	Project 1 Assigned	
Mon Sep 02		Labor Day Holiday			
Tue Sep 03	3	Complexity Analysis, Math Foundations	<a href="#">Playlist</a>		Lab #1 (Labs are Tuesday - Monday EVERY week)
Thu Sep 05	4	Measuring Performance and Analysis Tools	<a href="#">Playlist</a>		
Tue Sep 10	5	Recursion and the Master Theorem	<a href="#">Playlist</a>		
Thu Sep 12	6	Container Data Structures, Array-based containers	<a href="#">Playlist</a>		Lab #2
Tue Sep 17	7	The Standard Template Library	<a href="#">Playlist</a>	Project 1 Due	Lab #3
Thu Sep 19	8	Heaps and Heapsort	<a href="#">Playlist</a>	Project 2 Assigned	Lab #4
Tue Sep 24	9	Ordered Arrays and Related Algorithms	<a href="#">Playlist</a>		
Thu Sep 26	10	Elementary Sorts	<a href="#">Playlist</a>		
Tue Oct 01	11	Quicksort, including average case analysis	<a href="#">Playlist</a>		Lab #5
Thu Oct 03	12	Mergesort	<a href="#">Playlist</a>		
Tue Oct 08	13	Strings and Sequences	<a href="#">Playlist</a>		
Thu Oct 10	14	Midterm Review	N/A	Project 2 Due	No Lab from 10/8 to 10/21
Tue Oct 15		No lecture: Fall Study Break			
Thu Oct 17		Midterm Exam: 7:00-9:00PM (IN PERSON), no lectures today			
Tue Oct 22	15	Intro to Hashing	<a href="#">Playlist</a>		Lab #6
Thu Oct 24	16	Hashing and Collision Resolution	<a href="#">Playlist</a>	Project 3 Assigned	
Tue Oct 29	17	Tree ADT, Searching in Trees	<a href="#">Playlist</a>		Lab #7
Thu Oct 31	18	Binary Trees and Binary Search Trees, AVL Trees	<a href="#">Playlist</a>		
Tue Nov 05		(trees usually goes 3 lectures)			Lab #8
Thu Nov 07	19	Graph ADT, Review Algorithm Families	<a href="#">Playlist</a>		
Tue Nov 12	20	MST Algorithms	<a href="#">Playlist</a>	Project 3 Due	Lab #9
Thu Nov 14	22	Backtracking, Branch & Bound, Traveling Salesperson Problem	<a href="#">Playlist</a>	Project 4 Assigned	
Tue Nov 19	23	Dynamic Programming: Binomial Coefficients and Others	<a href="#">Playlist</a>		Lab #10
Thu Nov 21	21	Algorithm Families	<a href="#">Playlist</a>		
Mon Nov 25		Last day of lab			
Tue Nov 26	24	Knapsack Problem, Greedy Single Source Algorithms	<a href="#">Playlist</a>		No Labs from Tuesday on
Thu Nov 28		Thanksgiving Holiday			
Tue Dec 03	26	Final Review	N/A		
Thu Dec 05	25	Computational Geometry (NOT on final exam)	<a href="#">Playlist</a>		No Lab
Mon Dec 09		Last day of classes		Project 4 Due	
Fri Dec 13		Final Exam: 8:00-10:00AM (IN PERSON)			No Lab