

CSE 101: ALGORITHMS -- Reading

<i>Date</i>	<i>Topic</i>	<i>Reading</i>
Sep 25	Analyzing algorithms	Chapter 0
Sep 28	Introduction to graphs	3.1
Sep 30	Depth-first search in undirected graphs	3.2
Oct 2	DFS in undirected graphs	3.2
Oct 5	DFS in directed graphs	3.3
Oct 7	DFS in directed graphs	3.3
Oct 9	Strongly connected components	3.4
Oct 12	Divide and conquer: mergesort	2.2, 2.3
Oct 14	Medians and selection	2.4
Oct 16	Lower bound on sorting	
Oct 19	Integer multiplication	2.1
Oct 21	Greedy algorithms	5.1
Oct 23	Midterm 1 (chapters 0,2,3)	
Oct 26	Greedy algorithms	5.1
Oct 28	Greedy algorithms	
Oct 30	Greedy algorithms	4.1, 4.2, 4.3, 4.4
Nov 2	Greedy algorithms	5.4
Nov 4	Dynamic programming	6.1
Nov 6	Dynamic programming	6.2, 6.3
Nov 9	Dynamic programming	6.4, 6.6
Nov 11	No class: Veteran's Day	
Nov 13	Dynamic programming	6.7
Nov 16	Dynamic programming	
Nov 18	Hashing and sketching	
Nov 20	Midterm 2 (chapters 4,5,6)	
Nov 23	Hashing and sketching	
Nov 25	Review of basic probability	Notes
Nov 27	No class: Thanksgiving	
Nov 30	Hashing and sketching	
Dec 2	Hashing and sketching	
Dec 4	NP-completeness and beyond	