

CSC 301 Updated Schedule (as of Feb 21, 2025)

Day	Topic	Book ¹	Notes
21	Binary trees in Java	11.1	Program 1 DUE, program 2 assigned
24	AVL trees	11.3&6	
26	NO CLASS – work on your binary tree code		
28	Red-black trees		
Mar 3	R-B cont.		
5	Tries	13.3	
7	Tries (cont.)	13.3	
10 - 14	SPRING BREAK!!!		
17	NO CLASS – at a conference		Work on program 2 this week
19	NO CLASS		
21	NO CLASS		
24	B-Trees	(A) 18	
26	Tree application: Huffman coding	13.4.1	
28	Huffman coding (cont.)	13.4.1	
31	Maps, Dictionaries, and Hash Tables	10	
April 2	Sets and Bags	link	²
4	EXAM 2		Trees, Sets & such, Huffman
7	Graphs	14.1 - 5	Program 2 DUE, program 3 assigned
9	Open work day		
11	Shortest path pt 1	14.6, 14.7	
14	Shortest path pt 2	14.6, 14.7	
16	Open work day		
18	NP pt 1	(A) 34	
21	NP pt 2	(A) 34	
23	Greedy algorithms	(A)4,16	
25	Dynamic programming	(A) 15	
28	Algorithm design and analysis		

¹ Assume the data structures book (DS) unless indicated with an (A) for the algorithms book, although most topics are in both books.

² https://web.engr.oregonstate.edu/~sinisa/courses/OSU/CS261/CS261_Textbook/Chapter08.pdf

30	Designing data structures		
May 2	Open work day		Program 3 DUE
May 7	3:45 exam 3		Graphs, NP, algorithms
