

Data Structures & Advanced Problem Solving (DSAPS) - Monsoon 2021

#	Date	Topic	Assignments
01	16/08	Introduction	
02	23/08	Stack and Queue	
03	26/08	Recursion	
04	30/08	Linked List	
05	02/09	Intro to Trees	Assign #1 (01/09)
		Quiz 1	
06	09/09	Binary Search Trees	
07	13/09	AVL Trees	
08	16/09	Heaps	
09	20/09	Heaps, R&B Trees	
10	23/09	Hashing	
11	27/09	Hashing, B trees	Assign #2
12	30/09	Trie	
		NO CLASS WEEK	
13	07/10	Suffix Tree	
14	11/10	Graph Traversal (BFS)	Assign #3
15	14/10	Shortest Path on Graphs	
16	18/10	Graph Traversal (DFS)	
17	21/10	Minimum Spanning Trees	
18	25/10	Splay Trees, Range Trees	Assign #4
		Quiz 2	
19	01/11	Searching in Integer Data, Searching in Higher Dimensions	
20	08/11	Van Emde Boas tree	
21	11/11	Amortized Analysis	
22	15/11	Sorting	
23	18/11	Algorithm Design	
24	22/11	Buffer	

#	Topic	Start Date	End Date	% Contribution
HW 1				04
HW 2				07
HW 3				07
HW 4				06
Quiz				7
Quiz				14
Final Exam				30
Lab Tests				10
Lab Exam				15
Total				100