

CSE 3318 Spring 2022 Tentative Schedule

Last updated: 1/12/2022

Lect	Do	Day	Mont	Topic
1	T	18	Jan	Introduction, Syllabus, C review, insertion sort
2	R	20	Jan	Time complexity (motivation, answer), insertion sort
3	T	25	Jan	Time complexity continued
4	R	27	Jan	Counting instructions, Summations
5	T	1	Feb	Sorting Algorithms continued, indirect sorting, binary search, (selection sort if time permits) - *
6	R	3	Feb	Growth of functions, Summations
7	T	8	Feb	Count sort, Radix Sort, Bucket Sort
8	R	10	Feb	Linked Lists (Students should have reviewed pointers)
9	T	15	Feb	Stacks, Queues
10	R	17	Feb	Heaps, heapsort
11	T	22	Feb	Binary trees
12	R	24	Feb	Leetcode problem solving
13	T	1	Mar	BST (Binary Search Trees)
14	R	3	Mar	2-3-4 Search Tree
15	T	8	Mar	Huffman tree
16	R	10	Mar	Hash Table
	T	15	Mar	Spring break
	R	17	Mar	Spring break
17	T	22	Mar	Greedy Algorithms - *
18	R	24	Mar	DP: Knapsack (3 versions) - FACE-TO-FACE**
19	T	29	Mar	DP : Job Scheduling (Greedy,DP, brute force) - *
20	R	31	Mar	DP : LCS, LIS, ED (other: fewest coins, rod cutting, stair climbing) - FACE-TO-FACE**
21	T	5	Apr	Graphs - *
22	R	7	Apr	Minimum-Cost Spanning Trees - FACE-TO-FACE**
23	T	12	Apr	Shortest Paths, Graphs (Applications of DS in Algorithms, Language Library discussions) -*
24	R	14	Apr	Leetcode, recursion - FACE-TO-FACE**
25	T	19	Apr	Mergesort - *
26	R	21	Apr	Recurrences - Master Theorem, tree method - FACE-TO-FACE**
27	T	26	Apr	Recurrences - Master Theorem, tree method -*
28	R	28	Apr	Quicksort - FACE-TO-FACE**
29	T	3	May	leetcode, other (last lecture) - *
	R	5	May	Section 001 FINAL Exam Thursday, 11 am – 1 pm, online ExamQuiz
	T	10	May	Section 002 FINAL Exam Tuesday, 11 am – 1 pm, online ExamQuiz
Online ExamQuizzes will replace midterms and final exam.				
<i>As the instructor for this course, I reserve the right to adjust the schedule in any way that serves the educational needs of the students enrolled in this course. – Alexandra Stefan</i>				

OTHER important dates

- 2 Feb Census date
- 1 Apr Last day to drop
- 5 to 11 May Final exams week