

CSIT 254-51 Data Structures CRN 17206

Fall 2021

Class Schedule 0.3

Tuesday 5:30 pm-10:15 pm West Building W310

Version

- Version 0.3 - 10/26/2021 - changes to reflect school closure on 10/26
- Version 0.2 - 9/25/2021 - changes to reflect school closure on 9/21
 - ^{^^^} Note: the midterm has not moved from 10/19
- Version 0.1 - 8/3/2021 - fixed some lab names and tweaked Project dates
- Version 0.0 - 7/20/2021 - First Draft

Consult the syllabus for Grade Determinants (what everything is worth), Late Policy, Compiling Policy, and Cheating Policy (don't cheat)

Class Schedule

Week #	Date Tues	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
1	9/7	Course Overview Ch 2 Classes	9/7 Prog Lab 01 Writing a Class
2	9/14	Ch 1 Run-Time Analysis	9/14 Data Struc. Lab 01 Run-Time <i>Hw 1-Classes</i> Prog Lab 02 Java Review
3	9/21	No Class due to School Closure	9/21 n/a
4	9/28	Ch 3 Collection Classes	9/28 <i>Hw 2-Big-O()</i> Prog Lab 03 Collection Class
5	10/5	Ch 4 Linked Lists (Singly-Linked)	10/5 Data Struc. Lab 02 Singly-Linked List <i>Hw 3-Collection Classes</i> Prog Lab 04 A StringNode Project 01 - Class
6	10/12	Ch 4 cont. (Doubly-Linked) <i>Midterm Exam Info</i>	10/12 Data Struc. Lab 03 Doubly Linked List <i>Hw 4-Linked Lists</i> Prog Lab 04 B StringLinkedBag

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Week #	Date Tues	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
7	10/19	5:30 - 6:15 Lecture Ch 5 Writing Generic Classes 6:30-7:30 Midterm Exam (15%) 7:30-10:15 Lab Time	10/19 Midterm Exam
8	10/26	No Class due to School Closure	10/26 N/A
9	11/2	Ch 6 Stacks Ch 7 Queues Ch 8 Recursion and Merge Sort ^^ links to videos for the above topics are in Canvas	11/2 <i>Hw 5-Generic Classes</i> Data Struc. Lab 04 Stacks Data Struc. Lab 05 Queues Prog Lab 05 Generic Linked Lists Data Struc. Lab 06 Recursion
10	11/9	Ch 9/10 Binary Search Trees	11/9 Data Struc. Lab 07 Trees P1 <i>Hw 6-Stacks/Queues</i> <i>Hw 7-Recursion</i> Prog Lab 06 Stacks/Queues Prog Lab 07 A BSTNode
11	11/16	Ch 9/10, cont.	11/16 Data Struc. Lab 08 Trees P2 <i>Hw 8-Trees</i> Prog Lab 07 B Binary Search Tree Project 02 - Linked List of Objects
		Note: 11/17 last day to drop	
12	11/23	Ch 14 Graphs	11/23 Data Struc. Lab 09 Graph Project 3 - Queues
		<i>Note: Thanksgiving 11/25</i>	

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Week #	Date Tues	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
13	11/30	Ch 11/12 Sort/Search - Hash <i>Final Exam Info</i>	11/30 Data Struc. Lab 10 Hash <i>Hw 9-Graphs</i> Prog Lab 08 Graphs
14	12/7	Lab time for last project	12/7 <i>Hw 10-Sort/Search/Hash</i> Project 4 - Using Multiple Data Structures
	12/14	<i>No Class - Reading Day</i>	
		Note: Final Exam period 12/15 - 12/21	
	12/21	5:30 - 7:30 Final Exam (25%)	12/21 Final Exam

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