

CSIT 254-51/51H Data Structures CRN 27556 / 28181

Spring 2023 - Class Schedule 0.3

Section Info:

Section 51/51H - CRN 27556 / 28181

Tuesday / Thursday 5:30 pm - 7:50 pm W310

Version

- Version 0.3 - 3/20/2023 - changes because of no class on 3/15
- Version 0.2 - 3/1/2023 - changes because of missed class on 2/28 (moved midterm)
- Version 0.1 - 2/9/2023 - Shuffled Ch 4 stuff
- Version 0.0 - 1/10/2023 - Second Draft

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

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Class Schedule

Week #	Date		Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
	Tue	Thur		
1		1/19	Course Overview Ch 2 Classes A.k.a. Java Review Pt 1	1/19 Data Struc. Lab Ch 02 Designing a Class (UML) Prog Lab Ch 02 Writing a Class
1	1/24		Ch 1 Run-Time Analysis and Java Review Pt 2	1/24 <i>Hw Ch 02-Classes</i> Data Struc. Lab Ch 01 Run-Time
2		1/26		1/26 Prog Lab Ch 01 Java Review
2	1/31		Ch 3 Collection Classes	1/31 <i>Hw Ch 01-Big-O()</i>
3		2/2		2/2 Prog Lab Ch 03 Collection Class
3	2/7		Ch 4 Linked Lists (Singly-Linked)	2/7 <i>Hw Ch 3-Collection Classes</i>
4		2/9		
4	2/14		Ch 4 cont. (Doubly-Linked)	2/14 Data Struc. Lab Ch 4 A Singly-Linked List Data Struc. Lab Ch 4 B

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Week #	Date Tue Thur	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
			Doubly-Linked List
5	2/16		2/16 Prog Lab Ch 04 StringLinkedBag using StringNode
5	2/21	Ch 5 Writing Generic Classes <i>Midterm Exam Info</i>	2/21 <i>Hw Ch 4-Linked Lists</i>
6	2/23		2/23 Prog Lab Ch 05 Generic Linked Lists Project 1 - Class
6	2/28	No Class	2/28
7	3/2	Ch 6 Stacks Ch 7 Queues	3/2 Data Struc. Lab Ch 06 Stacks Data Struc. Lab Ch 07 Queues
	3/7 3/9	No Class - Spring Break	
7	3/14	6:00 - 7:00 Midterm Exam (15%)	3/14 Midterm Exam (15%)
8	3/16		3/16
8	3/21	Ch 6/7 cont.	3/21 Prog Lab Ch 06/07 Stacks/Queues
9	3/23	Ch 8 Recursion and Merge Sort Ch 9/10 Binary Search Trees	3/23 Data Struc. Lab Ch 08 Recursion Data Struc. Lab Ch 09/10 Trees P1

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9	3/28	Ch 9/10, cont.	3/28 Hw Ch 6/7-Stacks/Queues Data Struc. Lab Ch 09/10 B Trees P2
10	3/30		3/30 Prog Lab Ch 09/10 A BSTNode Prog Lab Ch 09/10 B Binary Search Tree
10	4/4	Ch 14 Graphs	4/4 <i>Hw Ch 8-Recursion</i> <i>Hw Ch 9/10-Trees</i> Data Struc. Lab Ch 14 Graph P1
11	4/6		4/6 <i>Project 2 - Ordered Collection of Objects</i>
		Note: 4/7 last day to drop	
11	4/11	Ch 14, cont.	4/11 <i>Hw Ch 14-Graphs</i> Data Struc. Lab Ch 14 Graph P2
12	4/13		4/13 Prog Lab Ch 14 Graphs
12	4/18	Ch 11/12 Sort/Search - Hash <i>Final Exam Info</i>	4/18 Data Struc. Lab Ch 11/12 Hash
13	4/20	Lab time for last projects	4/20 <i>Project 3 - Queues</i>
13	4/25	Lab time for last project	4/25 <i>Hw Ch 11/12-Sort/Search/Hash</i>
14	4/27	Lab time for last project	4/27

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	Tue	Thur		
14	5/2		Lab time for last project	5/2 Project 4 - Using Multiple Data Structures
			Note: Reading Day 5/3 Final Exam period 5/4 - 5/10	
		5/4	5:30-7:30 Final Exam (25%)	5/4 Final Exam (25%)

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