

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

## Spring 2024 - Class Schedule 0.5

### Section Info:

Section 51/51H

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

### Version

- Version 0.5 - 4/8/2024 – changes to reflect postponement of Proj 3
- Version 0.4 – 2/14/2024 – changes due to snow closing on 2/13
- Version 0.3 – 1/21/2024 – changes due to no class 1/18
- Version 0.2 – 1/13/2024 – corrected weight of exams
- Version 0.1 – 1/13/2024 – Topics Entered
- Version 0.0 - 1/13/2024 - Empty Grid

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

### Class Schedule

Week #	Date		Topic(s) ( pdfs of slides in Canvas)	Work Due ( details in Canvas )
	Tue	Thur		
1		1/18	No Class	1/18
1	1/23		Course Overview Ch 2 Classes A.k.a. Java Review Pt 1	1/23 <b>Prog Lab Ch 02 Writing a Class</b>
2		1/25	Ch 1 Run-Time Analysis and Java Review Pt 2	1/25 Data Struc. Lab Ch 01 Run-Time <b>Prog Lab Ch 01 Java Review</b>
2	1/30		Ch 3 Collection Classes	1/30 <i>Hw Ch 02-Classes</i> <i>Hw Ch 01-Big-O()</i>
3		2/1	Ch 3 cont.	2/1 <b>Prog Lab Ch 03 Collection Class</b>
3	2/6		Ch 4 Linked Lists (Singly-Linked)	2/6 <i>Hw Ch 3-Collection Classes</i> Data Struc. Lab Ch 4 A Singly-Linked List
4		2/8	Ch 4 cont.	2/8 <b>Prog Lab Ch 04A StringNode</b> <b>Project 1 – Class</b>

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4	2/13	No Class due to Snow Closing	2/13
5	2/15	Ch 4 cont.	2/15 <b>Prog Lab Ch 04B StringLinkedBag using StringNode</b>
5	2/20	Ch 4 cont. (Doubly-Linked) Ch 5 Writing Generic Classes Midterm Exam Info	2/20 Data Struc. Lab Ch 4 B Doubly-Linked List <i>Hw Ch 4-Linked Lists</i>
6	2/22	Ch 5 cont.	2/22 <b>Prog Lab Ch 05 Generic Linked Lists</b>
6	2/27	Ch 6 Stacks Ch 7 Queues	2/27 <i>Hw Ch 5-Generic</i> Data Struc. Lab Ch 06 Stacks Data Struc. Lab Ch 07 Queues
7	2/29	6:00 – 7:00 Midterm Exam (20%)	2/29
	3/5 3/7	No Class - Spring Break	
7	3/12	Ch 8 Recursion and Merge Sort Ch 9/10 Binary Search Trees	3/12 <i>Hw Ch 6/7-Stacks/Queues</i> Data Struc. Lab Ch 08 Recursion Data Struc. Lab Ch 09/10 Trees P1
8	3/14	Ch 6/7/8 cont.	3/14 <b>Prog Lab Ch 06/07 Stacks/Queues</b> <i>(most Stacks/Queues code is on slides)</i> <b>Prog Lab Ch 08 Recursion</b>
8	3/19	Ch 9/10, cont.	3/19 <i>Hw Ch 8-Recursion</i> Data Struc. Lab Ch 09/10 B Trees P2
9	3/21	Ch 9/10, cont.	3/21 <b>Project 2 - Ordered Collection of Objects</b>

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Week #	Tue Thur	Topic(s) ( pdfs of slides in Canvas)	Work Due ( details in Canvas)
9	3/26	Ch 9/10, cont.	3/26 <i>Hw Ch 9/10-Trees</i>
10	3/28	Ch 9/10, cont.	3/28 <b>Prog Lab Ch 09/10 Binary Search Tree using BSTNode</b>
10	4/2	Ch 14 Graphs	4/2 Data Struc. Lab Ch 14 Graph P1
11	4/4	Ch 14 cont.	4/4 <b>Prog Lab Ch 14 Graphs P1</b>
		<b>Note: 4/5 last day to drop</b>	
11	4/9	Ch 14 cont.	4/9
12	4/11	Ch 14 cont.	4/11 <b>Project 3 – Queues</b>
12	4/16	Ch 11/12 Sort/Search - Hash Final Exam Info	4/16 <i>Hw Ch 14-Graphs</i> Data Struc. Lab Ch 11/12 Hash
13	4/18	Lab time for last project	4/18
13	4/23	Lab time for last project	4/23
14	4/25	Lab time for last project	4/25
14	4/30	Lab time for last project	4/30 <b>Project 4 - Using Multiple Data Structures</b>
		<b>Note: Reading Day 5/1 Final Exam period 5/2 - 5/8</b>	
	5/2	<b>5:30 – 7:30 Final Exam (50%)</b>	5/2 Final Exam (note time)

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