

# CSIT 254-01/01H Data Structures CRN 27555

Spring 2024 - Class Schedule 0.4

## Section Info:

Section 01/01H

Monday / Wednesday 3:00 pm – 5:20 pm – W310

## Version

- Version 0.4 – 4/8/2024 – changes to reflect postponement of Proj 3
- Version 0.3 – 1/21/2024 – changes due to no class 1/17
- 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 )
	Mon	Wed		
1		1/17	No Class	1/17
1	1/22		Course Overview Ch 2 Classes A.k.a. Java Review Pt 1	1/22 <b>Prog Lab Ch 02 Writing a Class</b>
2		1/24	Ch 1 Run-Time Analysis and Java Review Pt 2	1/24 Data Struc. Lab Ch 01 Run-Time <b>Prog Lab Ch 01 Java Review</b>
2	1/29		Ch 3 Collection Classes	1/29 <i>Hw Ch 02-Classes</i> <i>Hw Ch 01-Big-O()</i>
3		1/31	Ch 3 cont.	1/31 <b>Prog Lab Ch 03 Collection Class</b>
3	2/5		Ch 4 Linked Lists (Singly-Linked)	2/5 <i>Hw Ch 3-Collection Classes</i> Data Struc. Lab Ch 4 A Singly-Linked List
4		2/7	Ch 4 cont.	2/7 <b>Prog Lab Ch 04A StringNode</b> <b>Project 1 – Class</b>

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Week #	Mon Wed	Topic(s) ( pdfs of slides in Canvas)	Work Due ( details in Canvas)
4	2/12	Ch 4 cont. (Doubly-Linked)	2/12 Data Struc. Lab Ch 4 B Doubly-Linked List
5	2/14	Ch 4 cont.	2/14 <b>Prog Lab Ch 04B StringLinkedBag using StringNode</b>
5	2/19	Ch 5 Writing Generic Classes Midterm Exam Info	2/19 <i>Hw Ch 4-Linked Lists</i>
6	2/21	Ch 5 cont.	2/21 <b>Prog Lab Ch 05 Generic Linked Lists</b>
6	2/26	Ch 6 Stacks Ch 7 Queues	2/26 <i>Hw Ch 5-Generic</i> Data Struc. Lab Ch 06 Stacks Data Struc. Lab Ch 07 Queues
7	2/28	<b>3:30 – 4:30 Midterm Exam (20%)</b>	2/28
	3/4 3/2	<b>No Class - Spring Break</b>	
7	3/11	Ch 8 Recursion and Merge Sort Ch 9/10 Binary Search Trees	3/11 <i>Hw Ch 6/7-Stacks/Queues</i> Data Struc. Lab Ch 08 Recursion Data Struc. Lab Ch 09/10 Trees P1
8	3/13	Ch 6/7/8 cont.	3/13 <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	3/18	Ch 9/10, cont.	3/18 <i>Hw Ch 8-Recursion</i> Data Struc. Lab Ch 09/10 B Trees P2
9	3/20	Ch 9/10, cont.	3/20 <b>Project 2 - Ordered Collection of Objects</b>

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Week #	Mon Wed	Topic(s) ( pdfs of slides in Canvas)	Work Due ( details in Canvas)
9	3/25	Ch 9/10, cont.	3/25 <i>Hw Ch 9/10-Trees</i>
10	3/27	Ch 9/10, cont.	3/27 <b>Prog Lab Ch 09/10 Binary Search Tree using BSTNode</b>
10	4/1	Ch 14 Graphs	4/1 Data Struc. Lab Ch 14 Graph P1
11	4/3	Ch 14 cont.	4/3 <b>Prog Lab Ch 14 Graphs P1</b>
		<b>Note: 4/5 last day to drop</b>	
11	4/8	Ch 14 cont.	4/8
12	4/10	Ch 14 cont.	4/10 <b>Project 3 - Queues</b>
12	4/15	Ch 11/12 Sort/Search - Hash Final Exam Info	4/15 <i>Hw Ch 14-Graphs</i> Data Struc. Lab Ch 11/12 Hash
13	4/17	Lab time for last project	4/17
13	4/22	Lab time for last project	4/22
14	4/24	Lab time for last project	4/24
14	4/29	Lab time for last project	4/29 <b>Project 4 - Using Multiple Data Structures</b>
		<b>Note: Reading Day 5/1 Final Exam period 5/2 - 5/8</b>	
	5/8	<b>12:30 – 2:30 Final Exam (50%)</b>	5/8 Final Exam (note time)

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