

CSIT 254-01 Data Structures CRN 27555

Spring 2025 - Class Schedule 0.2

Section Info:

Section 01

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

Version

- Version 0.2 – 3/30/2025 – changes to reflect no class on 3/24
- Version 0.1 – 1/10/2025 – First Rrelease
- Version 0.0 - 12/4/2024 – First 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)

Class Schedule

Week #	Date Mon Wed	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
1	1/22	Course Overview Ch 2 Classes A.k.a. Java Review Pt 1	1/22 Data Struc. Lab Ch 02 Designing a Class (UML) Prog Lab Ch 02 Writing a Class
1	1/27	Ch 1 Run-Time Analysis and Java Review Pt 2	1/27 <i>Hw Ch 02-Classes</i> Data Struc. Lab Ch 01 Run-Time
2	1/29	Ch 1 cont.	1/29 Prog Lab Ch 01 Java Review
2	2/3	Ch 3 Collection Classes	2/3 <i>Hw Ch 01-Big-O()</i>
3	2/5	Ch 3 cont.	2/5 Prog Lab Ch 03 Collection Class
3	2/10	Ch 4 Linked Lists (Singly-Linked)	2/10 <i>Hw Ch 3-Collection Classes</i> Data Struc. Lab Ch 4 A Singly-Linked List
4	2/12	Ch 4 cont.	2/12 Prog Lab Ch 04A StringNode <i>Project 1 - Class</i>
4	2/17	Ch 4 cont. (Doubly-Linked)	2/17 Data Struc. Lab Ch 4 B Doubly-Linked List

Week #	Mon Wed	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
5	2/19	Ch 4 cont.	2/19 Prog Lab Ch 04B StringLinkedBag using StringNode
5	2/24	Ch 5 Writing Generic Classes Midterm Exam Info	2/24 <i>Hw Ch 4-Linked Lists</i>
6	2/26	Ch 5 cont.	2/26 Prog Lab Ch 05 Generic Linked Lists
6	3/3	Ch 6 Stacks Ch 7 Queues	3/3 <i>Hw Ch 5-Generic</i> Data Struc. Lab Ch 06 Stacks Data Struc. Lab Ch 07 Queues
7	3/5	3:30 – 4:30 Midterm Exam (20%)	3/5
	3/10 3/12	No Class - Spring Break	
7	3/17	Ch 8 Recursion and Merge Sort Ch 9/10 Binary Search Trees	3/17 <i>Hw Ch 6/7-Stacks/Queues</i> Data Struc. Lab Ch 08 Recursion Data Struc. Lab Ch 09/10 Trees P1
8	3/19	Ch 6/7/8 cont.	3/19 Prog Lab Ch 06/07 Stacks/Queues <i>(most Stacks/Queues code is on slides)</i> Prog Lab Ch 08 Recursion
8	3/24	<i>No class</i>	3/24
9	3/26	Ch 9/10, cont.	3/26 <i>Hw Ch 8-Recursion</i> Project 2 - Ordered Collection of Objects
9	3/31	Ch 9/10, cont.	3/31 <i>Hw Ch 9/10-Trees</i> Data Struc. Lab Ch 09/10 B Trees P2
10	4/2	Ch 9/10, cont.	4/2 Prog Lab Ch 09/10 Binary Search Tree using BSTNode

Week #	Mon Wed	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
10	4/7	Ch 14 Graphs	4/7 Data Struc. Lab Ch 14 Graph P1
11	4/9	Ch 14 cont.	4/9 Prog Lab Ch 14 Graphs P1
		Note: 4/10 last day to drop	
11	4/14	Ch 14 cont.	4/14 <i>Hw Ch 14-Graphs</i> Data Struc. Lab Ch 14 Graph P2
12	4/16	Ch 14 cont.	4/16 Prog Lab Ch 14 Graphs P2 <i>Project 3 - Queues</i>
12	4/21	Ch 11/12 Sort/Search - Hash Final Exam Info	4/21 Data Struc. Lab Ch 11/12 Hash
13	4/23	Lab time for last project	4/23
13	4/28	Lab time for last project	4/28
14	4/30	Lab time for last project	4/30
14	5/5	Lab time for last project	5/5 <i>Project 4 - Using Multiple Data Structures</i>
		Note: Reading Day 5/7 Final Exam period 5/8 - 5/14	
	5/14	12:30 – 2:30 Final Exam (50%)	5/12 Final Exam (note time)

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