

CSIT 254-01X Data Structures - CRN 27555

Spring 2020 - Class Schedule 0.3

Section Info: Tuesday/Thursday 2:30 pm - 4:50 pm West Building W309

Version

- Version 0.3 - 3/19/2020 - revisions due to extended spring break and going online through 4/10
- Version 0.2 - 1/15/2020 - fixed typos
- Version 0.1 - 1/15/2020 - filled in topics/assignments
- Version 0.0 - 12/10/2019 - Empty Grid

Consult the syllabus for Grade Determinants (what everything is worth), Compiling Policy, Late Policy(not accepted 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	1/21		Course Overview Ch 2 Classes	1/21
1		1/23	Ch 2 cont and Lab time	1/23 Prog Lab 01 Writing a Class
2	1/28		Ch 1 Run-Time Analysis	1/28 <i>Hw 1-Classes</i> Data Struc. Lab 01 Run-Time
2		1/30	Ch 1 cont and Lab time	1/30 Prog Lab 02 Java Review
3	2/4		Ch 3 Collection Classes	2/4 <i>Hw 2-Big-O()</i>
3		2/6	Ch 3 cont and Lab time	2/6 Prog Lab 03 Collection Class
4	2/11		Ch 4 Generic Linked Lists (Singly-Linked)	2/11 <i>Hw 3-Collection Classes</i> Data Struc. Lab 02 Singly-Linked List
4		2/13	Ch 4 cont and Lab time	2/13 Prog Lab 04 A -StringNode for Singly Linked Lists

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			Project 01 - Class
5	2/18	Ch 4 cont. (Doubly-Linked)	2/18 <i>Hw 4-Linked Lists</i> Data Struc. Lab 03 Doubly Linked List
5	2/20	Ch 4 cont and Lab time	2/20 Prog Lab 04 B Singly Linked Lists
6	2/25	Ch 5 Writing Generic Classes	2/25
6	2/27	Ch 5 cont and Lab time	2/27 Prog Lab 05 Generic Doubly Linked Lists
7	3/3	Midterm Exam (15%)	3/3 Midterm
7	3/5	Ch 6 Stacks Ch 7 Queues	3/5 Data Struc. Lab 04 Stacks
	3/10 3/12	No Class - Spring Break	
8	3/17 3/19	No Class Extended Spring Break	

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9	3/24	<i>online</i> Ch 8 Recursion and Merge Sort	3/24 <i>Hw 5-Generic Classes</i> <i>Hw 6-Stacks/Queues</i> Data Struc. Lab 05 Queues Data Struc. Lab 06 Recursion
9	3/26	<i>online</i> Ch 8 cont	3/26 Prog Lab 06 Stacks/Queues
10	3/31	<i>online</i> Ch 9/10 Binary Search Trees	3/31 <i>Hw 7-Recursion</i> Data Struc. Lab 07 Trees P1
10	4/2	<i>online</i> Ch 9/10 cont	4/2 Prog Lab 07 A - BSTNode for Binary Search Trees Project 02 - Linked List of Objects
11	4/7	<i>online</i> Ch 9/10 cont	4/7 <i>Hw 8-Trees</i> Data Struc. Lab 08 Trees P2
11	4/9	<i>online</i> Ch 9/10 cont	4/9 Prog Lab 07 B - Binary Search Trees
12	4/14	Ch 14 Graphs	4/14 <i>Hw 9-Graphs</i> Data Struc. Lab 09 Graph
12	4/16	Ch 14 cont and Lab time	4/16 Prog Lab 08 B Graphs Pt 1 Project 3 - Queues

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Week #	Date Tue Thur	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
13	4/21	Ch 11/12 Sort/Search - Hash	4/21 Data Struc. Lab 10 Hash
13	4/23	Lab time for last project	4/23 Prog Lab 08 A Graphs pt 2
14	4/28	Lab time for last project	4/28 <i>Hw 10-Sort/Search/Hash</i>
14	4/30	Lab time for last project	4/30 Project 4 - Using Multiple Data Structures
		Note: 5/4 last day to drop	
	5/5	No Class - Reading Day	
		Note: Final Exam period 5/6 - 5/12	
	5/7 5/12	5/7 or 5/12 - Final Exam (25%)	5/7 or 5/12 Final Exam

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