

**CISY 254-01 Data Structures CRN 27555****Spring 2022****Class Schedule 0.5****Section Info:**

Section 01 - CRN 27555

Tuesday/Thursday 2:30 pm - 4:50 pm W309

**Version**

- Version 0.5 - 3/1/2022 - revised changes to reflect no class on 2/8 & 2/10
- Version 0.4 - 3/1/2022 - Changes to reflect no class on 2/8 & 2/10
- Version 0.3 - 1/25/2022 - changes to reflect no class 1/20
- Version 0.2 - 1/20/2022 - first release
- Version 0.1 - 1/16/2022 - First draft
- Version 0.0 - 1/5/2022 - 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		1/20	No class	1/20
1	1/25		Course Overview Ch 2 Classes A.k.a. Java Review Pt 1	1/25 Data Struc. Lab Ch 02 Designing a Class ( UML )
2		1/27	Ch 2 cont.	1/27 <b>Prog Lab Ch 02 Writing a Class</b>
2	2/1		Ch 1 Run-Time Analysis and Java Review Pt 2	2/1 Hw Ch 02-Classes Data Struc. Lab Ch 01 Run-Time
3		2/3	Ch 1 cont.	2/3 <b>Prog Lab Ch 01 Java Review</b>
3	2/8		No class	2/8
4		2/10	No class	2/10

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4	2/15	Ch 3 Collection Classes	2/15 Hw Ch 01-Big-O()
5	2/17	Ch 3 cont.	2/17 <b>Prog Lab Ch 03 Collection Class</b>
5	2/22	Ch 4 Linked Lists ( Singly-Linked )	2/22 Hw Ch 3-Collection Classes Data Struc. Lab Ch 4 A Singly-Linked List
6	2/24	Ch 4 cont.	2/24 <b>Prog Lab Ch 04 A StringNode Project 01 - Class</b>
6	3/1	Ch 4 cont. ( Doubly-Linked )	3/1 Hw Ch 4-Linked Lists
7	3/3	Ch 4 cont. <i>Midterm Exam Info</i>	3/3 <b>Prog Lab Ch 04 B StringLinkedBag</b>
	3/8 3/10	<b>No Class - Spring Break</b>	
7	3/15	Ch 5 Writing Generic Classes	3/15 <b>Prog Lab Ch 05 Generic Linked Lists</b>
8	3/17	<b>2:30-3:30 Midterm Exam (15%)</b>  <b>3:30-4:50 Lab Time</b>	3/17 <b>Midterm Exam (15%)</b>

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<b>Week #</b>	<b>Tue Thur</b>	<b>Topic(s) ( pdfs of slides in Canvas)</b>	<b>Work Due ( details in Canvas)</b>
<b>8</b>	<b>3/22</b>	Ch 6 Stacks Ch 7 Queues	3/22 <i>Hw Ch 5-Generic Classes</i> Data Struc. Lab Ch 06 Stacks Data Struc. Lab Ch 07 Queues
<b>9</b>	<b>3/24</b>	Ch 6/7 cont.	3/24 <b>Prog Lab Ch 06/07 Stacks/Queues</b>
<b>9</b>	<b>3/29</b>	Ch 8 Recursion and Merge Sort Ch 9/10 Binary Search Trees	3/29 Hw Ch 6/7-Stacks/Queues Data Struc. Lab Ch 08 Recursion Data Struc. Lab Ch 09/10 A Trees P1
<b>10</b>	<b>3/31</b>	Ch 9/10, cont.	3/31 <b>Prog Lab Ch 09/10 A BSTNode Project 02 - Ordered Collection of Objects</b>
		<b>Note: 4/8 last day to drop</b>	
<b>10</b>	<b>4/5</b>	Ch 9/10, cont.	4/5 Hw Ch 8-Recursion Hw Ch 9/10-Trees Data Struc. Lab Ch 09/10 B Trees P2
<b>11</b>	<b>4/7</b>	Ch 9/10, cont.	4/7 <b>Prog Lab Ch 09/10 B Binary Search Tree</b>
<b>11</b>	<b>4/12</b>	Ch 14 Graphs	4/12 Data Struc. Lab Ch 14 Graph

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Week #	Tue Thur	Topic(s) ( pdfs of slides in Canvas)	Work Due ( details in Canvas)
12	4/14	Ch 14, cont.	4/14 <b>Project 3 - Queues</b>
12	4/19	Ch 14, cont. Ch 14, cont.	4/19 <i>Hw Ch 14-Graphs</i>
13	4/21		4/21 <b>Prog Lab Ch 14 Graphs</b>
13	4/26	Ch 11/12 Sort/Search - Hash <i>Final Exam Info</i>	4/26 Data Struc. Lab Ch 11/12 Hash
14	4/28	Lab time for last project	4/28
14	5/3	Lab time for last project	5/3 Hw Ch 11/12-Sort/Search/Hash <b>Project 4 - Using Multiple Data Structures</b>
		<b>Note: Reading Day 5/4 Final Exam period 5/5 - 5/11</b>	
	5/5	<b>12:30-2:30 Final Exam (25%)</b>	5/5 Final Exam

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