

**CSIT 254-51 Data Structures CRN 27556**

**Spring 2022**

**Class Schedule 0.4**

**Section Info:**

Section 51 - CRN 27556

Wednesday 5:30 pm - 10:15 pm W309

**Version**

- Version 0.4 - 3/1/2022 - Revised changes to reflect no class on 2/9
- Version 0.3 - 3/1/2022 - Changes to reflect no class on 2/9
- Version 0.2 - 1/25/2022 - changes to reflect no class on 1/19
- Version 0.1 - 1/16/2022 - First Release
- 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**

<b>Week #</b>	<b>Date Wed.</b>	<b>Topic(s) ( pdfs of slides in Canvas)</b>	<b>Work Due ( details in Canvas )</b>
<b>1</b>	<b>1/19</b>	No-class	1/19
<b>2</b>	<b>1/26</b>	Course Overview Ch 2 Classes A.k.a. Java Review Pt 1	1/26 Data Struc. Lab Ch 02 Designing a Class ( UML ) <b>Prog Lab CH 02 Writing a Class</b>
<b>3</b>	<b>2/2</b>	Ch 1 Run-Time Analysis and Java Review Pt 2	2/2 <i>Hw Ch 02-Classes</i> Data Struc. Lab Ch 01 Run-Time <b>Prog Lab Ch 01 Java Review</b>
<b>4</b>	<b>2/9</b>	No Class	2/9
<b>5</b>	<b>2/16</b>	Ch 3 Collection Classes	2/16 <i>Hw Ch 01-Big-O()</i> <b>Prog Lab Ch 03 Coll. Class</b>
<b>6</b>	<b>2/23</b>	Ch 4 Linked Lists ( Singly-Linked )	2/23 <i>Hw Ch 3-Collection Classes</i> Data Struc. Lab Ch 4 A Singly-Linked List <b>Prog Lab Ch 04 A StringNode</b> <b>Project 01 - Class</b>
<b>7</b>	<b>3/2</b>	Ch 4 cont. ( Doubly-Linked ) <i>Midterm Exam Info</i>	3/2 <i>Hw Ch 4-Linked Lists</i> <b>ProgLab Ch 04 B</b> <b>StringLinkedBag</b>

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	<b>3/9</b>	<b>No Class - Spring Break</b>	
<b>8</b>	<b>3/16</b>	<b>5:30 - 6:15 Lecture</b> Ch 5 Writing Generic Classes <b>6:30-7:30 Midterm Exam (15%)</b> <b>7:30-10:15 Lab Time</b>	3/16 <b>Midterm Exam (15%)</b> <b>Prog Lab Ch 05 Generic Linked Lists</b>
<b>9</b>	<b>3/23</b>	Ch 6 Stacks Ch 7 Queues	3/23 <i>Hw Ch 5-Generic Classes</i> Data Struc. Lab Ch 06 Stacks Data Struc. Lab Ch 07 Queues <b>Prog Lab Ch 06/07</b> <b>Stacks/Queues</b>
<b>10</b>	<b>3/30</b>	Ch 8 Recursion and Merge Sort Ch 9/10 Binary Search Trees	3/30 <i>Hw Ch 6/7-Stacks/Queues</i> Data Struc. Lab Ch 08 Recursion Data Struc. Lab Ch 09/10 A Trees P1 <b>Prog Lab Ch 09/10 A BSTNode</b> <b>Project 02 - Ordered Collection of Objects</b>
<b>11</b>	<b>4/6</b>	Ch 9/10, cont.	4/6 <i>Hw Ch 8-Recursion</i> <i>Hw Ch 9/10-Trees</i> Data Struc. Lab Ch 09/10 B Trees P2 <b>Prog Lab Ch 09/10 B Binary Search Tree</b>
		<b>Note: 4/8 last day to drop</b>	
<b>12</b>	<b>4/13</b>	Ch 14 Graphs	4/13 Data Struc. Lab Ch 14 Graph <b>Project 3 - Queues</b>
<b>13</b>	<b>4/20</b>	Ch 11/12 Sort/Search - Hash <i>Final Exam Info</i>	4/20 <i>Hw Ch 14-Graphs</i>

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			Data Struc. Lab Ch 11/12 Hash <b>Prog Lab Ch 14 Graphs</b>
<b>14</b>	<b>4/27</b>	Lab time for last project	4/27 <i>Hw Ch 11/12-Sort/Search/Hash</i> <b>Project 4 - Using Multiple Data Structures</b>
	<b>5/4</b>	<b>No class - Reading Day</b>	
		<b>Note: Reading Day 5/4 Final Exam period 5/5 - 5/11</b>	
	<b>5/11</b>	<b>Final Exam (25%)</b>	5/11 <b>Final Exam (25%)</b>

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