

CISY 254-01X Data Structures CRN 21705

Spring 2019

Class Schedule 0.2

Section Info:

Tuesday/Thursday 2:30-4:50 W309

Version

- Version 0.2 - 2/28/2019 - changes to reflect Proj 1, PL 04, Proj 2 et al date changes
- [Version 0.1 - 2/12/2019 - changes because of school closure-snow, and postponed Project 1](#)
- Version 0.0 - 1/22/2019 - First Release

See Canvas for Assignment Details: Homework (10%) / Data Structure Labs (10%) Programming Labs (20%) & Programming Projects (20%). Late Policy (-10 pts calendar day, max 7 days), Cheating Policy (don't cheat), and Life Happens Policy (1 "Life Happens" for each category: Lab, Hw, Project, no "Life Happens" after 5/2)

Class Schedule

Week #	Date T R	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
1	1/22	Course Overview Ch 2 Classes	1/22
1	1/24	Ch 2, cont.	1/24 Prog Lab 01 Writing a Class
2	1/29	Ch 1 Run-Time Analysis Ch 3 Collection Classes	1/29 Data Struc. 01 Lab Run-Time <i>Hw 1-Classes</i>
2	1/31	Ch 1/Ch 3, cont.	1/31 Prog Lab 02 Java Review
3	2/5	Ch 5 Writing Generic Classes	2/5 <i>Hw 2-Big-O()</i>
3	2/7	Ch 5, cont.	2/7 Prog Lab 03 Generic
4	2/12	No class-snow	2/12 N/A
4	2/14	Ch 4 Generic Linked Lists (Singly-Linked)	2/14 Data Struc. Lab 02 Singly-Linked <i>Hw 3-Generic</i>

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5	2/19	Ch 4 Generic Linked Lists (Doubly-Linked)	2/19 Data Struc. Lab 03 Doubly Linked List <i>Hw 4-Linked Lists</i>
5	2/21	Ch 4, cont.	2/21
6	2/26	Ch 6 Stacks Ch 7 Queues	2/26 Data Struc. Lab 04 Stacks
6	2/28	Ch 6/7, cont.	2/28 Data Struc. Lab 05 Queues Prog Lab 04 Generic Linked Lists Project 1 - Class
7	3/5	Midterm Exam (15%)	3/5
7	3/7	Ch 6/7, cont.	3/7 <i>Hw 5-Stacks/Queues</i>
	3/12 3/14	No class - Spring Break	
8	3/19	Ch 8 Recursion and Merge Sort	3/19 Data Struc. Lab 06 Recursion
8	3/21	Ch 8, cont.	3/21 Prog Lab 05 Stacks/Queues
9	3/26	Ch 9/10 Binary Search Trees	3/26 Data Struc. Lab 07 Trees P1 <i>Hw 6-Recursion</i>
9	3/28	Ch 9/10, cont.	3/28 Project 2: Linked List of Objects
10	4/2	Ch 9/10, cont.	4/2 Data Struc. Lab 08 Trees P2 <i>Hw 7-Trees</i>
10	4/4	Ch 9/10, cont.	4/4 Prog Lab 06 Trees
		Note: 4/8 last day to drop	

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11	4/9	Ch 14 Graphs	4/9 Data Struc. Lab 09 Graph
11	4/11	Ch 14, cont.	4/11 Project 3: Queues
12	4/16	Ch 14, cont.	4/16 <i>Hw 8-Graphs</i>
12	4/18	Ch 14, cont.	4/18 Prog Lab 07 Graphs
13	4/23	Ch 11/12 Sort/Search - Hash	4/23 Data Struc. Lab 10 Search
13	4/25	Ch 11/12, cont.	4/25
14	4/30	Lab time for last project	4/30 <i>Hw 9-Sort/Search/Hash</i>
14	5/2	Lab time	5/2 Project 4
	5/7	No class - Reading Day	
		Final Exam period 5/8 - 5/14	
	5/9	12:30-2:30 Final Exam (25%)	5/9 12:30-2:30 Final Exam

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