CISY 254-01/01H Data Structures CRN 27555 / 27872

Spring 2023 - Class Schedule 0.3

Section Info:

Section 01/01H - CRN 27555 / 27872
Monday/Wednesday 3:00 pm - 5:20 pm W310

Versions

- Version 0.3 - 3/20/2023 - changes because of no class on 3/15
- Version 0.2 - 3/1/2023 - changes because of missed class on 2/27 (moved midterm)
- Version 0.1 - 2/9/2023 - Shuffled Ch 4 stuff
- Version 0.0 - 1/10/2023 - Second 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	**1/18**	Course Overview Ch 2 Classes A.k.a. Java Review Pt 1	1/18 Data Struc. Lab Ch 02 Designing a Class (UML) **Prog Lab Ch 02 Writing a Class**
1	**1/23**	Ch 1 Run-Time Analysis and Java Review Pt 2	1/23 *Hw Ch 02-Classes* Data Struc. Lab Ch 01 Run-Time
2	**1/25**	***4:00 Late Start ****	1/25 **Prog Lab Ch 01 Java Review**
2	**1/30**	Ch 3 Collection Classes	1/30 *Hw Ch 01-Big-O()*
3	**2/1**		2/1 **Prog Lab Ch 03 Collection Class**
3	**2/6**	Ch 4 Linked Lists (Singly-Linked)	2/6 *Hw Ch 3-Collection Classes*
4	**2/8**	***No Class *****	2/8
4	**2/13**	Ch 4 cont. (Doubly-Linked)	2/13 Data Struc. Lab Ch 4 A Singly-Linked List

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Week #	Mon Wed	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
			Data Struc. Lab Ch 4 B Doubly-Linked List
5	**2/15**	***4:00 Late Start ** **	2/15 **Prog Lab Ch 04 StringLinkedBag using StringNode**
5	**2/20**	Ch 5 Writing Generic Classes *Midterm Exam Info*	2/20 *Hw Ch 4-Linked Lists*
6	**2/22**		2/22 **Prog Lab Ch 05 Generic Linked Lists** ***Project 1 - Class***
6	**2/27**		2/27
7	**3/1**	Ch 6 Stacks Ch 7 Queues	3/1 Data Struc. Lab Ch 06 Stacks Data Struc. Lab Ch 07 Queues
	3/6 3/8	**No Class - Spring Break**	
7	**3/13**	**3:30 - 4:30 Midterm Exam (15%)**	3/13 **Midterm Exam (15%)**
8	**3/15**	***No Class***	3/15
8	**3/20**	Ch 6/7 cont.	3/20 **Prog Lab Ch 06/07 Stacks/Queues**
9	**3/22**	Ch 8 Recursion and Merge Sort Ch 9/10 Binary Search Trees	3/22 Data Struc. Lab Ch 08 Recursion Data Struc. Lab Ch 09/10 Trees P1

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9	**3/27**	Ch 9/10, cont.	3/27 Hw Ch 6/7-Stacks/Queues Data Struc. Lab Ch 09/10 B Trees P2
10	**3/29**		3/29 **Prog Lab Ch 09/10 A BSTNode** **Prog Lab Ch 09/10 B Binary Search Tree**
10	**4/3**	Ch 14 Graphs	4/3 *Hw Ch 8-Recursion* *Hw Ch 9/10-Trees* Data Struc. Lab Ch 14 Graph P1
11	**4/5**		4/5 ***Project 2 - Ordered Collection of Objects***
		Note: 4/7 last day to drop	
11	**4/10**	Ch 14, cont.	4/10 *Hw Ch 14-Graphs* Data Struc. Lab Ch 14 Graph P2
12	**4/12**		4/12 **Prog Lab Ch 14 Graphs**
12	**4/17**	Ch 11/12 Sort/Search - Hash *Final Exam Info*	4/17 Data Struc. Lab Ch 11/12 Hash
13	**4/19**	Lab time for last projects	4/19 ***Project 3 - Queues***
13	**4/24**	Lab time for last project	4/24 *Hw Ch 11/12-Sort/Search/Hash*
14	**4/26**	Lab time for last project	4/26

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Week #	Mon Wed	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
14	**5/1**	Lab time for last project	5/1 ***Project 4 - Using Multiple Data Structures***
		Note: Reading Day 5/3 Final Exam period 5/4 - 5/10	
	5/10	**12:30-2:30 - Final Exam (25%)**	5/10 **Final Exam (25%)**

* on 1/25 and 2/15, I will be arriving late

** on 2/8, I will not be there

:)