

Data Structure, Fall 2021

Time: MWF 8:30am-9:20am

Location: Physical Science Ctr 0108

Instructor: Chao Lan (clan@ou.edu)

TAs: Sanjana Mudduluru (sanjana@ou.edu), Egawati Panjei (egawati.panjei@ou.edu)

Office Hours:

- M&W 3pm-4:30pm, Dr. Lan, DEH 341 or <https://oklahoma.zoom.us/j/92382671952>
 - T&Th 3pm-4:30pm, Sanjana, <https://oklahoma.zoom.us/j/5549939998> (code: CS2413SM)
 - M&W 10:30am-12pm, Egawati, DEH 115 or <https://oklahoma.zoom.us/j/93242811930> (code: 59010405)
 - * *You can contact the instructor and two TAs together through cs2413-fall21@groups.ou.edu.*
 - * *Please start your email title with [CS2413], e.g. “[CS2413] request help on hw1”.*
 - * *If you plan to attend office hours in person, please wear a mask and practice social distancing.*
 - * *If you plan to attend office hours online, please try to notify the instructor/TAs beforehand.*
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1. Course Description

This course introduces the concept and implementation of data structures including array, vector, linked list, hash table, stack/queue, tree and graph. It also covers the application and efficiency analysis of these data structures in different search, sorting, insertion and deletion algorithms.

All discussions and assignments are based on the C++ programming language.

2. Reference

S. Radhakrishnan, et al. Data Structures Featuring C++ A Programmer’s Perspective. SRR LLC, 2013.

M. Goodrich. Data Structures and Algorithms in C++ (2ed). Wiley, 2011.

3. Grading Policy

- 50% for assignments
- 25% for mid-term exam
- 25% for final exam

4. Late Assignment Submission Policy

- 1 week after due: score = score * 0.8
- 2 weeks after due: score = score * 0.6
- more than 2 weeks after due: score = 0

5. Student Collaboration Policy

- Students cannot collaborate on the exams.
- Students can collaborate on assignments but need to clarify the collaborator in submission and be ready to independently defend their own submitted solutions upon the request of the instructor.
- When working on assignments, copying code from reference is forbidden.

7. Attendance Policy

Attendance is not required. Lecture notes/slides will be posted on Canvas, though they may not cover all discussion details.

8. Mask Expectation

Students are encouraged to continue wearing masks in class and practicing social distancing.