

Lecture 8 - CS163

Bring Picture ID!

- 1) Prep for the midterm
- 2) Examine a midterm exam
- 3) Review Practice Questions

* The exam is closed book/closed notes

* It will contain:

- Programming questions (CH & data structures)
- Short answer
- Multiple choice & True False

* Bring - Pencil(s) & Erasers!

* Today is the only lecture where we will talk about the exam. {new material next time}

Midterm - Next Week!

* Today - Review for the midterm

* Inclass Students:

10-11:50am Thursday Feb 9th

* Online Students: 2 choices

#1) 5:30-7:20pm Thursday Feb 9th
in ASRC Room 001

OR

#2) 10am-11:50 Saturday Feb 11th
in CH 71

But... they fill up
so plan now!

Look at your schedule! If these times don't work, make an appointment @ testing center

Topics to Study for the Midterm

ADT

- what is an ADT
- Data Structures vs Abstract Data Types
- Absolute & Relative Ordered Lists
- Stacks & Queues

Data Structures

- LLL, CLL, DLL, Arrays
- "Flexible" Arrays (Linked List of Arrays)

Recursion!

Practice:

LLL, CLL, DLL

- Add a node at the beginning
- Add a node at the end with a tail pointer
- Add a node at the end without a tail pointer
- Remove a node at the beginning
- Remove a node at the end
- make a complete copy of a LLL and create a new LLL
- Do the same for a CLL or DLL
- Copy the contents of a LLL and place it in an array
- copy an array and place it in a LLL
- show the code to connect up a node in a DLL

Rules

1. Closed book, closed notes
2. 1 hr 50 min
3. 3-4 pages
4. short answer & coding
5. Pencil(s) & Eraser(s)
6. Bring Picture ID