Your midterm will be designed to take 90 minutes to complete. The exam will be given during lab on Wednesday, March 12th, and it will be closed book. The exam will start at 1pm. The exam will be given in TCL 123 (Wege).

You are responsible for anything we covered in class or in lab through Monday, March 10th, and everything in the assigned reading from Java Structures, up to and including Lists and Lab 4. Be sure you know how to do the assigned pre- and post-lab thought questions and programs.

The following list covers many of the topics we have touched on:

- Java syntax, as we have used it in our programming assignments.
- Classes, interfaces.
- Java memory management. What is allocated (and how) when regular variables, arrays, and classes are created?
- Information hiding (abstraction) and why it’s good.
- Extending classes with inheritance.
- Pre- and post-conditions, and assertions.
- Vector, its implementation in the structure5 package, and its methods.
- Linear and binary search.
- Recursion and induction. (There is at least one proof by induction on exam.)
- Singly linked lists. (We’ll cover on Monday. You should read the book before then.)