

## **ECE 209 Sections 602, 603, and 604 Review Sheet be-able-to for the Final Exam**

This quiz will be a closed book, closed notes exam. You will be given a copy of the C reference sheet, a sheet with the LC-3 instruction set, and an example of a C function translated into LC-3 code. It's the same sheet you received for Quiz 2.

We have not covered much new material since Quiz 2 to the main be-able-to's are

**Be able to do the “be able to do” list for Quiz 1**

**Be able to do the “be able to do” list for Quiz 2**

And then there is one more significant be-able-to

**Understand the techniques used in the programming assignments**

And for the material covered since the last quiz

### **Chapter 5 (second half): Tree**

1. Give definitions of the significant properties of trees from the “Trees” notes
2. Understand the three types of tree traversal

### **Chapter 7: Quicksort**

1. Be able to explain how the algorithm works
2. Know the performance characteristics of quicksort

### **Chapter 14: Search**

1. Be able to contrast sequential and binary sort
2. Be able to explain how hash techniques can be used in applications that require search

Mostly be able to write C problems that can manipulate linked structures.

### **Format of the Exam**

- 2 ½ pages similar to Quiz 1
- 2 ½ pages similar to Quiz 2
- 2 pages of comprehensive programming and vocabulary questions