

CSE 490c Final Exam Review -- June 7, 2004

This is a brief list of some of the topics we've covered this quarter. The exam **will** be cumulative, but will be biased towards material in the second half of the quarter. Thus, it would be useful to look over the midterm review sheet as well, which is still available online if you don't have a copy.

As with the midterm, you are responsible for anything we have covered in lecture, discussion, homework, or readings. The final is open-book, open-notes, and closed-computer.

- Unix (shell, commands, scripts, etc.)
- Development tools (make, gcc, gdb, etc.)
- Programming in groups (CVS, etc.)
- Programming for correctness (specs, assertions, docs, tests, etc)

- C/C++
 - Benefits and Drawbacks
 - Comparisons to Java
 - Memory model
 - Pointers
 - Heap memory allocation / deallocation
 - Structs
 - Linked Lists
 - Using multiple source files, headers
 - Assignment semantics
 - Arrays
 - Strings (char*)
 - Casts, void*
 - Input/output

- User interface design

- Societal Impact
 - Intellectual Property
 - Digital Rights Management
 - Software Failures
 - Electronic Voting
 - Databases and Privacy