

## CSE 490c Midterm Topic List -- May 5, 2004

This is a brief list of some of the topics we've covered so far this quarter. You are responsible for anything on this list, *as well as anything else* that we have covered in lecture, discussion, homework, or readings. As a reminder, the midterm is in-class, open-book, open-notes, and closed-computer.

- Unix
  - Shell and basic commands
  - Advanced commands (grep, find, sed, diff, *etc.*)
  - Regular expressions
  - Emacs
  - Redirecting output
  - Shell scripts
  
- Development Tools
  - IDE vs. Tool suite
  - Editors, interpreters, compilers, virtual machines, linkers, debuggers, *etc.*
  - Debugging with JDB
  - Make
  
- Programming in Groups
  - Benefits and Challenges
  - CVS
  - Pair Programming
  
- Programming for Correctness
  - Specifications (pre/post conditions, invariants)
  - Assertions
  - Documentation
  - Testing
  - Defensive Programming
  - Programming for Change
  
- Social Impact Discussions
  - Intellectual Property
  - Digital Rights Management
  - Software Failures