

Final Reports

OUT: 15 APRIL, 1993

DUE: 4 MAY, 1993

Write a 9 page paper investigating deeply one aspect of operating systems. People taking this course for writing credit must write a 13 page paper. The paper must be typed and well written. Give the papers to me by Tuesday, May 4, leaving them in my office, Ungar 523, or my departmental mailbox.

The books on reserve are still good starting places for topics. Other good topics include:

- Distributed File Systems: NFS, Cedar, Andrew.
- Distributed Operating Systems: Mach, Amoeba, V.
- Architectures: Connection Machines, Alpha, SPARC.
- Unix Internals: Kernel structure, writing new device drivers, disk caching.
- Networking: Protocols, standards, modems, ATM.
- Concurrency: Synchronization and communication.
- Deadlock: Recent work on avoidance, detection and recovery.
- Paging: Recent work in page-demand algorithms.
- Resource Allocation: The k-server problem.

Good luck!