

Midterm Reports

OUT: 11 FEBRUARY, 1993

DUE: 2 MARCH, 1993

Write a 5 page paper on a topic relevant to the material presented in the first half of the class. If you are taking this course for writing credit, you must write a 7 page paper. The paper must be typed and well written.

You can think of the paper as a “book report”. You are to read one or several articles from journals or sections from books. Then summarize, compare and discuss the ideas presented. It is your responsibility to pick a subject and approach that will fit well inside a 5 page format.

Each chapter of the class text concludes with a summary. This summary points the reader to reference works. You may make any of these reference works the subject of your midterm report. The librarian at the reference desk will help you locate the journals.

Also, books have been placed on reserve. They can be checked out for 3 days. You are not restricted to just these books, but browsing them will give you ideas for further reading.

Six of the books deal with computer architectures. If you are interested in learning more about interrupts, vectored interrupts, or implementations of paging and segmentation, look at:

- *The Sparc Technical Papers*, ed. Ben Catanzaro.
QA76.9.A73 S65 1991.
- *Alpha Architecture Reference Manual*, ed. Richard L. Sites.
QA76.9.A73 A46 1992.
- *The Sparc Architecture Manual*, Sparc International.
QA76.9.A73 S647 1992.
- *MIPS R2000 RISC Architecture*, Gerry Kane.
QA76.8.M52 K36 1987.
- *The Motorola MC68000*, Jean Bacon.
QA76.8.M6895 B33 1986.
- *MCS-80 User's Manual*, Intel.
QA76.8.M38 I5 1977.

The following four books discuss particular PC operating systems. You may either give a brief overall description of the software or a more detailed analysis of just one aspect such as memory layout, file locks, semaphores or scheduling.

- *Inside the IBM PC*, Peter Norton.
QA76.8.I2594 N67 1986.
- *OS/2 Features, Functions and Applications*, Jeff Krantz, et. al.
QA76.76.O63 K74 1988.
- *Inside OS/2*, Peter Norton.
QA76.76.O63 L33 1988.
- *Netware Server*, Liebing and Neff.
QA76.76.O63 L526 1990.

The following books are more advanced. Midterm papers written on portions of one of these books can easily be continued into a final paper.

- *The LOCUS Distributed System Architecture*, Popek and Walker.
QA76.76.O63 L63 1985.
- *Guide to OSF/1*, O'Reilly and Assoc.
QA76.76.O63 G853 1991.
- *Unix System Readings and Applications, Vols. 1 & 2*, AT&T.
QA76.76.O63 U553 1986 v.1,2.