COP 4611 OL Operating Systems Instructor Bellenot Off. 218 Love Off. hrs MWF 12:30-1:15 (but I'm around most affer noons) Pre Requisites C or better in both COP 3101 Prog. 2 and COP 3402 Assem, Lang, Prog. (or anyother Assem, Lang) Text Peterson & Silberschatz Operating System Concepts (the one with dinosaurs, not the green one) [will will do more or less the whole text, more or less in the text's order] Grades A 90% B 80% C 68% D 60% (± for border line) based on 25% 1 Final 12:30pm 11 Dec 12.5% 1 Test Tentatively 31 Oct Frent. Also 26 sept; 12.5% n Quizzes The first 12 sept [10,24-oct; 14,28 Nov 50% Programing Project Project: A team (groups of three) construction of an operating system simulation. Details and grading formula will be given later. Due Date 19 Nov at 1:00 pm. [In pascal] [A written "Program Design Spec" Due (Tent) 26 Oct]

Homework No written homework will be required, however it is to your advantage to the problems on your own.

Reading Assignments will be mage from time to time.

Read Ch1 & 2 by next time (Wed 29 Aug)

Ch3 by 5 sept

Ch4 by 14 sept

COP 4611 - 01 OP SYS PROJECT -- program design specifications:

- 1. identification of team, division of labor, naming of your fearless leader.
- 2. data structure choices:
 - A. directory structure, node structure (i.e. its record structure).
 - B. process control block structure.
 - C. CRT status control block (if any).
 - D. command line structure (if any).
 - E. page table structure.
 - F. any other records.
- 3. algorithm choices and justifications:
 - A. long-term scheduler (i.e. job pool to ready).
 - 8. paging algorithm.
 - C. how input from CRT is buffered.
 - D. how disk space is allocated and freed.
 - E. event list or just a sequence "nextthistime, nextthattime, etc."?
 - F. any other algorithm choices.
- 4. global variables, their type and their purpose.
- 5. program outline showing the entry points into each of the six functional units, what parameters are passed (both formally and by global variables).
- 6. tentative timetable for completion.
- 7. this "spec" is a road map to constructing your project. Add anything that will make the route clearer for your team, but no code.

GOOD LUCK!

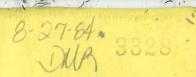
COP 4611 - 01 OP SYS PROJECT UPDATE number 1

oct. 5, 1984

- 1. System down time. 2 time = 99999 the system crashes, all processes are lost, and this event is reported only by its absence.
- 2. Each user (CRT) can have a maximum of 8 batch jobs at any one time.
- 3. Do not lock pages into frames either until used or while on I/O.
- 4. Recap of old updates
 - a. filenames: 1 to 10 char all letters.
 - b. process names "filename" no space digit. A file can be submitted at most ten times.
 - c. deletes are refused if there are active processes using them.
 - d. logoffs automatically abort all that users active processes.
 - e. logons automatically do logoff of current user (even same user).
 - f. users can be logged on at most one CRT.
- 5. Rename abc, def while process abc3 is running is ok. Process abc3 remains abc3 and run def produces def4 (or whatever is the next number).
- 6. Other changes still possible!

COOD LUCK!

USER SERVICES 208 N. Woodward (904) 644-3897



FLORIDA STATE UNIVERSITY APPLICATION FOR COMPUTING RESOURCES

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