

COP 4611 01 Operating Systems

Instructor Bellenot ^{Off.} 218 Love ^{Off.} hrs MWF 12:30-1:15
(but I'm around most afternoons)

PreRequisites C or better in both

COP 3101 Prog. 2 and

COP 3402 Assem. Lang. Prog. (or any other 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% (\pm for borderline)

based on 25% 1 Final 12:30pm 11 Dec

12.5% 1 Test Tentatively 31 Oct

12.5% n Quizzes The first 12 sept [tent. Also 26 sept;
10, 24 Oct; 14, 28 Nov]

50% Programming 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 ^{other} written homework will be required, however it is to your advantage to ^{do} the problems on your own.
Reading Assignments will be made from time to time.

Read Ch 1 & 2 by next time (Wed 29 Aug)

Ch 3 by 5 sept

Ch 4 by 14 sept

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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).
 - B. 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!

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OP SYS

PROJECT UPDATE number 1

oct. 5, 1984

1. System down time. @ 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!

GOOD LUCK!

8-27-84
DUA 3328

**FLORIDA STATE UNIVERSITY
APPLICATION FOR COMPUTING RESOURCES**

1. CHARGE NUMBER NEW 1433*** 2. APPLICATION DATE 22 Aug 84
 3. BILLING NAME AND ADDRESS Bellenot 4. TAPE INFORMATION NAME AND ADDRESS SAME 5. GENERAL INFORMATION NAME AND ADDRESS SAME
218 LOVE
Comp Sci
 Telephone No. 4-5596 Telephone No. _____ Telephone No. _____

6. TYPE OF APPLICATION: NEW ADD FUNDS EXTEND DATE

7. ACCOUNT FUNDING CATEGORY AND AUTHORIZATIONS (select proper line and fill in blank areas):

	State Allocation Funding	Dept/Grant Agency Funding	Expiration Date of Funding	Purchase Order or Budget No.
1. Florida State University Research				
A) FSU Sponsored Funding	\$ _____	NA	_____	NA
B) Contract and Grant Funding	\$ _____	\$ _____	_____	_____
C) E & G or Auxiliary Funding	\$ _____	\$ _____	_____	_____
D) Equipment Rental/Maintenance	NA	\$ _____	_____	_____
2. Florida State University Instruction				
A) Thesis or Dissertation				
Student Name _____	\$ _____	NA	_____	NA
B) Directed Individual Study				
Student Name _____	\$ _____	NA	_____	NA
C) Undergraduate Course ^{sec 01}				
Course # <u>COP 4611</u> # Students <u>60 @ 45</u>	\$ <u>2700</u>	NA	<u>14 DEC 84</u>	NA
D) Graduate Course				
Course # _____ # Students _____	\$ _____	NA	_____	NA
E) Public Equipment Rental/Maint.	\$ _____	NA	_____	NA
3. Non-University Research & Development				
A) Public Agency	NA	\$ _____	_____	_____
B) Commercial (FLA. sales tax applies)	NA	\$ _____	_____	_____

8. ACCOUNT VALIDATIONS:
 1. Required Number of User Numbers (not counting master user ★★ ★) 60
 2. Resources Required (check only one)
 a) Default Permissions
 b) Special Permissions (complete form SP1)

PW = RING

I hereby authorize monthly transfer of funds from the above Contract, Grant, University Budget, or Purchase Order to the Florida State University Computing Center to cover the costs of resource usage as billed. Accounts will be processed as stated in the FSUCC handout **Guidelines for Processing User Accounts** (copies available at User Services). I certify that the computer services to be charged to this account will be only for official services of the Florida State University, as indicated in the attached letter of authorization (only required for NEW Non-University requests)

St Bellenot Authorized Signature [Signature] Approved by FSUCC

Department Chairman/Budget Officer
(required for 1A and 1C accounts)

3328