

CS441/541 - Advanced Operating Systems

Course Syllabus

Fall 2007

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Text: *Distributed Operating Systems & Algorithms*, by Chow and Johnson, Addison Wesley, 1997.

Lec	Day	Topic	Text/Ref
1	Aug 20	M Introduction, orientation, O/S Types	Chap 1
2	22	W Distributed System Concepts & Architectures	Chap 2
3	24	F Distributed System Concepts & Architectures	Chap 2
4	27	M Concurrent Processes and Programming	Chap 3
5	29	W Concurrent Processes and Programming	Chap 3
6	31	F Concurrent Processes and Programming	Chap 3,9
	Sep 3	M **** Labor Day - NO Classes ****	
7	Sep 5	W Concurrent Processes and Programming	Chap 3,9
8	7	F Concurrent Processes and Programming	Chap 3,10
9	10	M Concurrent Processes and Programming	Chap 3,10
10	12	W Interprocess Communication & Coordination	Chap 4
11	14	F Interprocess Communication & Coordination	Chap 4
12	17	M Interprocess Communication & Coordination	Chap 4
13	19	W Interprocess Communication & Coordination	Chap 4
14	21	F Interprocess Communication & Coordination	Chap 4,10
15	24	M Interprocess Communication & Coordination	Chap 4,10
16	26	W Interprocess Communication & Coordination	Chap 4,10
	28	F *** Test 1 ***	
	Oct 1	M Exam Review	
17	3	W Distributed Process Scheduling	Chap 5
18	5	F Distributed Process Scheduling	Chap 5
19	8	M Distributed Process Scheduling	Chap 5
20	10	W Distributed Process Scheduling	Chap 5
21	12	F Distributed Process Scheduling	Chap 5
22	15	M Distributed File Systems	Chap 6
23	17	W Distributed File Systems	Chap 6
24	19	F Distributed File Systems	Chap 6
25	22	M Distributed File Systems	Chap 6
26	24	W Distributed File Systems	Chap 6
27	26	F Distributed Shared Memory	Chap 7
28	29	M Distributed Shared Memory	Chap 7
29	31	W Distributed Shared Memory	Chap 7
30	Nov 2	F Distributed Shared Memory	Chap 7
31	5	M Distributed Computer Security	Chap 8
32	7	W Distributed Computer Security	Chap 8
33	9	F Replicated Data Management	Chap 12
34	12	M Replicated Data Management	Chap 12
35	14	W Replicated Data Management	Chap 12
	16	F *** Test 2 ***	
	Nov 19 - 23	****Thanksgiving Break - NO Classes****	
	26	M Exam Review	
36	28	W Replicated Data Management	Chap 12
37	30	F Checkpointing and Recovery	Chap 13
38	Dec 3	M Checkpointing and Recovery	Chap 13
39	5	W Checkpointing and Recovery	Chap 13
40	7	F Final Exam Review	

Final: Friday, Dec 14, 12:30-2:30pm

Grading:

	CS441	CS541
Two Midterm Tests	50%*	40%
Final Exam	25%	20%
Assignments	25%	20%
Term Project	*	20%
Total	100%	100%

* - CS441 students may substitute a project in lieu of one of the midterm tests.

The letter grade you receive from the course will be determined as follows:

90%	-	100%	A
89.9%	-	80%	B
79.9%	-	70%	C
69.9%	-	60%	D
59.9%	-	0%	F

The instructor reserves the right to adjust these percentages lower if deemed necessary.