

# CS240 - Operating Systems

Course Syllabus

Spring 2024

**Instructor:** Bob Rinker, (208)885-7378, rinker@cs.uidaho.edu

**Offices:** CdA: NIC Hedlund 202

Moscow: JEB 324

**Class Website:** <http://www2.cs.uidaho.edu/~rinker/cs240>

**Text:** *Operating Systems: Internals and Design Principles*, Ninth Edition, William Stallings, Pearson, 2018 (but any edition will do).

Week	Lec	Day	Topic	Text/Ref
1	1	Jan 10	W Introduction, orientation, history	Chap 1
	2	12	F History, Computer System Overview	Chap 1
2		15	M **** MLK - Idaho Human Rights Day - NO Classes****	
	3	17	W Computer System Overview	Chap 1
	4	19	F Computer System Overview	Chap 1
3	5	22	M Process Concepts, Process states	Chap 2
	6	24	W Processes	Chap 2
	7	26	F Processes, Mini Exam 1	Chap 2
4	8	29	M Processes	Chap 3
	9	31	W Processes	Chap 3
	10	Feb 2	F Processes	Chap 3
5	11	5	M Threads	Chap 4
	12	7	W Threads	Chap 4
	13	9	F Threads, Mini Exam 2	Chap 4
6	14	12	M Threads	Chap 4
	15	14	W Concurrency principles	Chap 5
	16	16	F Concurrency principles, mutual exclusion	Chap 5
7		19	M **** President's Day - NO Classes	
	17	21	W Mutual Exclusion, synchronization	Chap 5
	18	23	F Synchronization, Mini Exam 3	Chap 5
8	19	26	M Synchronization	Chap 6
	20	28	W Synchronization	Chap 6
	21	Mar 1	F Synchronization	Chap 6
9	22	4	M Concurrency and Deadlock	Chap 6
	23	6	W Concurrency and Deadlock	Chap 6
	24	8	F Deadlock, Mini Exam 4	Chap 6
		11 - 15	****Spring Break - NO Classes****	
10	25	18	M File Systems	Chap 12
	26	20	W File Systems	Chap 12
	27	22	F File Management	Chap 12
11	28	25	M File Management	Chap 12
	29	27	W I/O Management	Chap 11
	30	29	F I/O Management, Mini Exam 5	Chap 11
12	31	Apr 1	M Memory Management	Chap 7
	32	3	W Memory Management	Chap 7
	33	5	F Memory Management	Chap 7
13	34	8	M Memory Management	Chap 7
	35	10	W Virtual Memory	Chap 8
	36	12	F Virtual Memory, Mini Exam 6	Chap 8
14	37	15	M Virtual Memory	Chap 8
	38	17	W Virtual Memory	Chap 8
	39	19	F Scheduling	Chap 9

Week	Lec	Day	Topic	Text/Ref
15	40	Apr 22	M Scheduling	Chap 9
	41	24	W Scheduling	Chap 9
	42	26	F Scheduling, Mini Exam 7	Chap 9
16	43	29	M Scheduling	Chap 9
	44	May 1	W Scheduling	Chap 9
	45	3	F Final Exam Review	

**Final:** Wednesday, May 8, 12:45 - 2:45 pm

**Grading:**

Seven Mini Exams (@ 7% each)	49%
Final Exam	20%
Homework/Programming Projects	25%
Points for completing all projects	6%
<b>Total</b>	<u>100%</u>

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.

**Center for Disability Access and Resources Statement:**

Students with disabilities needing accommodations to fully participate in this class should contact the Center for Disability Access and Resources (CDAR). All accommodations must be approved through CDAR prior to being implemented. To learn more about the accommodation process, visit CDAR's website at [www.uidaho.edu/cdar](http://www.uidaho.edu/cdar) or call 208-885-6307.