

# CS270 - System Software

Course Syllabus

Spring 2021

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

**Offices:** CdA: Innovation Den, 418 E. Lakeside, CdA, ID 83814  
Moscow: JEB 235

**Class Website:** <http://www2.cs.uidaho.edu/~rinker/cs270>

**Text:** *LINUX for Programmers and Users*, Graham Glass & King Ables, Prentice-Hall, 2006

Week	Lec	Day	Topic	Text/Ref
1	1	Jan 13	W Introduction, orientation, history	Chap 1
	2	15	F History, C executable concepts	Chap 1
2		18	M **** MLK - Idaho Human Rights Day - NO Classes****	
	3	20	W C compilation process	Notes
	4	22	F C compilation - multimodule compilation	Notes
3	5	25	M C compilation - multimodule compilation	Notes
	6	27	W Basic UNIX Commands	Chap 3
	7	29	F Basic UNIX Commands, Mini Exam 1	Chap 3
4	8	Feb 1	M The UNIX file system	Chap 13, Notes
	9	3	W The UNIX file system	Chap 13, Notes
	10	5	F Advanced UNIX Commands	Chap 4
5	11	8	M Advanced UNIX Commands	Chap 4
	12	10	W UNIX Shells	Chap 5,6
	13	12	F UNIX Shells, Mini Exam 2	Chap 5,6
6		15	M **** President's Day - NO Classes	
	14	17	W Shell Programming	Chap 5,6
	15	19	F Shell Programming	Chap 5,6
7	16	22	M Shell Programming	Chap 5,6
	17	24	W Scripting Languages	Notes
	18	26	F Scripting Languages, Mini Exam 3	Notes
8	19	Mar 1	M Scripting Languages	Notes
	20	3	W Scripting Languages	Notes
	21	5	F Scripting Languages	Notes
9	22	8	M Networking	Chap 9, Notes
	23	10	W Networking	Chap 9, Notes
	24	12	F The Internet, Mini Exam 4	Chap 9, Notes
		15 - 19	****Spring Break - NO Classes****	
10	25	22	M The Internet	Chap 9, Notes
	26	24	W The executable Environment	Web Notes
	27	26	F The executable Environment	Web Notes
11	28	29	M C Programming Tools - ld	Chap 11
	29	31	W C Programming Tools - ld	Chap 11
	30	Apr 2	F C Programming Tools - libraries, Mini Exam 5	Chap 11
12	31	5	M C Programming Tools - make	Chap 11
	32	7	W C Programming Tools - make	Chap 11
	33	9	F Systems Programming - System Calls	Chap 12
13	34	12	M Systems Programming - System Calls	Chap 12
	35	14	W Systems Programming - File Operations	Chap 12
	36	16	F Systems Programming - Files, Mini Exam 6	
14	37	19	M Systems Programming - File Operations	Chap 12
	38	21	W Systems Programming - Process management	Chap 12
	39	23	F Systems Programming - Signals	Chap 12

Week	Lec	Day	Topic	Text/Ref
15	40	Apr 26	M Systems Programming - Sockets	Chap 12
	41	28	W Systems Programming - Sockets	Chap 12
	42	30	F Systems Programming - Sockets, Mini Exam 7	Chap 12
16	43	May 3	M System Administration	Chap 14
	44	5	W System Administration	Chap 14
	45	7	F Final Exam Review	

**Final:** Wednesday, May 12, 10:15 - 12:15 pm

**Grading:**

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