CS270 - System Software

Course Syllabus **Spring 2018**

Instructor: Bob Rinker, (208)885-7378, `rerinker@nic.edu`, `rinker@cs.uidaho.edu`
Offices: NIC: STR 205
UI: Innovation Den, 418 E Lakeside, in the basement
Text: *LINUX for Programmers and Users*, Graham Glass & King Ables, Prentice-Hall, 2006

Week	Month	Day		Topic	Text/Ref
1	Jan	8	M	Introduction, orientation, history	Chap 1
		10	W	History, Basic UNIX Commands	Chap 3
2		15	M	**** MLK - Idaho Human Rights Day - NO Classes****	
		17	W	C executable concepts	Notes
3		22	M	C compilation process, ELF Files	Notes
		24	W	C compilation - multimodule compilation	Notes
4		29	M	The UNIX file system	Chap 13, Notes
		31	W	The UNIX file system, DOS FAT, NTFS	Chap 13, Notes
5	Feb	5	M	Advanced UNIX Commands	Chap 4
		7	W	UNIX Shells	Chap 5
6		12	M	C Programming Tools - make	Chap 11
		14	W	*** Test 1 ***	
7		19	M	**** President's Day - NO Classes	
		21	W	C Programming Tools - make	Chap 11
8		26	M	Systems Programming - System Calls	Chap 12
		28	W	Systems Programming - File Operations	Chap 12
9	Mar	5	M	Systems Programming - Process management	Chap 12
		7	W	Networking	Chap 9, Notes
10		12	M	Networking	Chap 9, Notes
		14	W	The Internet	Chap 9, Notes
11		19	M	Systems Programming - Sockets	Chap 12
		21	W	Systems Programming - Sockets	Chap 12
		26 - 30		****Spring Break - NO Classes****	
12	Apr	2	M	The executable Environment	Notes11
		4	W	C Programming Tools - ld	Chap 11
13		9	M	C Programming Tools - ld, libraries	Chap 5
		11	W	*** Test 2 ***	
14		16	M	Bash Shell Programming	Chap 6
		18	W	Bash Shell Programming	Chap 6
15		23	M	Scripting Languages - Perl	Chap 4, Notes
		25	W	Scripting Languages - Perl	Chap 4, Notes
16		30	M	System Administration	Chap 14
	May	2	W	System Administration, Final Exam Review	Chap 14

Final: Wednesday, May 9, 4:00 - 6:00 pm

Grading:

Two Hour Tests (15% ea)	30%
Final Exam	20%
Quizzes	15%
Homework/Programming Projects	30%
Points for completing all projects	5%
Total	100%

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.