CS270 - System Software

Course Syllabus Fall 2016

Instructor: Bob Rinker JEB 235 (208)885-7378 rinker@cs.uidaho.edu

Class website: www2.cs.uidaho.edu/~rinker/cs270

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

Week	Day			Topic	Text/Ref
1	Aug	22	M	Introduction, orientation, history	Chap 1
		24	W	History, C executable concepts	Chap 1
		26	F	C compilation process	Notes
2		29	M	C compilation - multimodule compilation	Notes
		31	W	C compilation - multimodule compilation	Notes
	Sep	2	F	Basic UNIX Commands	Chap 3
3		5	M	**** Labor Day - NO Classes ****	
		7	W	Basic UNIX Commands	Chap 3
		9	F	The UNIX File System	Chap 13, Notes
4		12	M	The UNIX File System	Chap 13, Notes
		14	W	Advanced UNIX Commands	Chap 4
		16	F	Advanced UNIX Commands	Chap 4
5		19	M	UNIX Shells	Chap 5,6
		21	W	UNIX Shells	Chap 5,6
		23	F	Shell Programming	Chap 5,6
6		26	M	Shell Programming	Chap 5,6
		28	W	Shell Programming	Chap 5,6
		30	F	*** Test 1 ***	
	Oct	3	M	Scripting Languages - Perl	Chap 4
7		5	W	Scripting Languages - Perl	Chap 4, Notes
		7	F	Scripting Languages - Perl	Chap 4, Notes
8		10	M	Scripting Languages - Perl	Chap 4, Notes
		12	W	Networking	Chap 9
		14	F	Networking Tools	Chap 9
9		17	M	Networking - the Internet	Chap 9
		19	W	Networking - the Internet	Chap 9
		21	F	The Internet	Chap 9
10		24	M	The Internet	Chap 9
		26	W	The executable Environment	Notes
		28	F	The executable Environment	Notes
11		31	M	Programming Tools - ld	Chap 11
	Nov	2	W	Programming Tools - ld	Chap 11
		4	F	Programming Tools - libraries	Chap 11
12		7	M	Programming Tools - make	Chap 11
		9	W	Programming Tools - make	Chap 11
		11	F	*** Test 2 ***	
13		14	M	Systems Programming - System Calls	Chap 12
		16	W	Systems Programming - System Calls	Chap 12
		18	F	Systems Programming - File Operations	Chap 12
	Nov	21 - 25		****Thanksgiving Break - NO Classes****	
14		28	M	Systems Programming - File Operations	Chap 12
		30	W	Systems Programming - Signals	Chap 12
	Dec	2	F	Systems Programming - Sockets	Chap 12
15		4	M	Systems Programming - Sockets	Chap 12
		6	W	Systems Programming - Sockets	Chap 12
		8	F	Final Exam Review	

Final: Thursday, Dec 15, 3:00pm-5:00pm

Grading:

Two Hour Tests (15% ea)	30%
Final Exam	20%
Quizzes	15%
Homework/Programming Projects	30%
Award 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.

Disability Support Services Reasonable Accommodations Statement:

Reasonable accommodations are available for students who have documented temporary or permanent disabilities. All accommodations must be approved through *Disability Support Services* located in the Idaho Commons Building, Room 306 in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course.

- phone: 885-6307
- email: `dss@uidaho.edu`
- website: `www.uidaho.edu/dss`