CS121 - Computer Science II

Course Syllabus **Fall 2011**

Instructor: Bob Rinker, JEB 235, 885-7378, `rinker@cs.uidaho.edu`
Lab Instructors: Abhay Patil, `pati3764@vandals.uidaho.edu`
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Class website: `www.cs.uidaho.edu/~rinker/cs121`
Text: *Data Structures and Program Design in C++*, Kruse and Ryba, Prentice Hall, 1999.

Wk	Day			Topic	Text/Ref
1	Aug	22	M	Introduction, C++ Review	
		24	W	C++ Review - Arrays	
		26	F	C++ Review - Pointers	Chap 1
2		29	M	C++ Review - Linked Lists	Chap 4,6
		31	W	C++ Review - Linked Lists	Chap 6
	Sep	2	F	C++ Review - Classes	
3		5	M	*** Labor Day - No Classes ***	
		7	W	Classes, Templates	Chap 6
		9	F	Classes, Templates	Chap 6
4		11	M	Program Design	Chap 1
		13	W	Program Design	Chap 1
		15	F	Stacks	Chap 2
5		19	M	Stacks	Chap 2
		21	W	Stacks	Chap 2
		23	F	Stacks	Chap 2
6		26	M	Queues	Chap 3
		28	W	Queues	Chap 3
		30	F	Queues	Chap 3
7	Oct	3	M	Queues	Chap 3
		5	W	Induction	Chap 5
		7	F	**** Test 1 ****	
8		10	M	Induction	Chap 5
		12	W	Recursion	Chap 5
		14	F	Recursion	Chap 5
9		17	M	Recursion	Chap 5
		19	W	Searching	Chap 7
		21	F	Searching	Chap 7
10		24	M	Order Analysis	
		26	W	Sorting	Chap 8
		28	F	Sorting	Chap 8
11		31	M	Sorting	Chap 8
	Nov	2	W	Hashing	Chap 9
		4	F	Hashing	Chap 9
12		7	M	Trees	Chap 10
		9	W	Trees	Chap 10
		11	F	**** Test 2 ****	
13		13	M	Trees	Chap 10
		15	W	Multiway Trees	Chap 11
		17	F	Multiway Trees	Chap 11
	Nov	21 - 25		****Fall Recess - NO Classes****	
14		28	M	Multiway Trees	Chap 11
		30	W	Multiway Trees	Chap 11
	Dec	2	F	Graphs	Chap 12
15		5	M	Graphs	Chap 12
		7	W	Graphs	Chap 12
		9	F	Final Exam Review	

Final: Thursday, December 15, 10:00-Noon

Grading:

Two Hour Tests (15% ea)	30%
Quizzes	15%
Final Exam	20%
Lab Assignments	30%
Award for completing all projects	5%
Total	100%

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

100%	-	90%	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.access.uidaho.edu`