

Tentative Syllabus

This is a tentative syllabus for the course. It will be updated during the semester to reflect our actual progress in the course.

Class	Date	Topic	Homework
<i>Week 1</i>			
Lec1	F 1/30	course overview; administrivia	
<i>Week 2</i>			
Lab1	M 2/02	Linux/Emacs/Java	PS1 out (Set game; strings)
Lec2	T 2/03	characters, strings, string buffers	
Lec3	F 2/06	arrays and vectors 1	PS1 due; PS2 out (arrays and vectors)
	Sat 2/07		PS1 due
<i>Week 3</i>			
Lab2	M 2/09	arrays and vectors	
Lec4	T 2/10	arrays and vectors 2	PS2 out (arrays and vectors)
Lec5	F 2/13	enumerations	
<i>Week 4</i>			
	M 2/16	President's Day: no lab	
Lec6	T 2/17	input/output	PS2 due; PS3 out (enumerations & I/O)
Lab3	F 2/20	Monday schedule enumerations & I/O	
<i>Week 5</i>			
Lab4	M 2/23	testing and debugging	
Lec7	T 2/24	abstract data types	
Lec8	F 2/27	linked lists (immutable and mutable)	PS3 due; PS4 out (ADTs, lists)
<i>Week 6</i>			
Lab5	M 3/01	ADTs and lists	
Lec9	T 3/02	list sorting	
Lec10	F 3/05	stacks, queues, pqueues; stack impls	PS4 due; Exam1 out
<i>Week 7</i>			
Lab6	M 3/08	stacks, queues, pqueues	
Lec11	T 3/09	queue & pqueue implementations	
Lec12	F 3/12	sets and bags	Exam 1 due; PS5 out (sets & bags)

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<i>Week 8</i>			
Lab7	M 3/15	data structure implementations	
Lec13	T 3/16	set & bag implementations	
Lec14	R 3/19	tables	PS5 due
	3/20–28	Spring Break think about final projects	
<i>Week 9</i>			
Lab8	M 3/29	sets, bags & tables	PS 6 out (sets,bags,tables,trees)
Lec15	T 3/30	binary trees	
Lec16	F 4/01	binary search trees	Final Project proposals due
<i>Week 10</i>			
Lab9	M 4/05	trees	
Lec17	T 4/06	GUIs 1	
	W 4/07		PS6 due; Exam2 out
Lec18	F 4/09	GUIs 2	
<i>Week 11</i>			
Lab10	M 4/12	GUIs	
Lec19	T 4/13	algorithmic complexity 1	
Lec20	F 4/16	algorithmic complexity 2	Exam 2 due
<i>Week 12</i>			
	M 4/19	Patriot's day; no lab	
Lec21	T 4/20	2-3 trees	
Lab11	R 4/22	Monday schedule algorithmic complexity	
Lec22	F 4/23	collection hierarchy	Final Project detailed design due
<i>Week 13</i>			
Lab12	M 4/26	collections	
Lec23	T 4/27	complete heaps	
Lec24	F 4/30	leftist heaps	
<i>Week 14</i>			
Lab13	M 5/03	heaps	
Lec25	R 5/04	hash tables	
Lec26	F 5/07	(Last class) CS230 Jeopardy!	Final Project due
<i>Week 15</i>			
	W 5/12– T 5/18	self-scheduled final exam	