CSE 143, Winter 2010
Approximate Lecture Calendar

Week 1	**M 1/4**	**W 1/6**	**F 1/8**
	syllabus; review; arrays read Ch. 1-8 Java Tutorial: Java basics Wikipedia: array	`ArrayList` read 10.1 Wikipedia: data structures, collection	more `ArrayList`; objects/classes read 10.1 - 10.3; Ch. 8 Wikipedia: OOP, object, class, encapsulation **HW1 assigned**
Week 2	**M 1/11**	**W 1/13**	**F 1/15**
	implementing `ArrayIntList` read **15.1**	more `ArrayIntList`; exceptions read **15.1 - 15.2**; 4.5	inheritance; binary search read 9.1, 9.3 - 9.4, 13.1 Tutorial: inheritance, subclass Wikipedia: inheritance, binary search **HW2 assigned**
Week 3	**M 1/18**	**W 1/20**	**F 1/22**
	NO CLASS holiday (MLK Day)	stacks and queues read Stuart's **notes 1**, **notes 2** Java Tutorial: Queue Wikipedia: stack, queue	more stacks/queues; complexity read 13.2 Java Tutorial: collection interfaces Wikipedia: postfix expression, Big-Oh **HW3 assigned**
Week 4	**M 1/25**	**W 1/27**	**F 1/29**
	linked list nodes read **16.1** Wikipedia: linked list	linked lists read **16.2**	linked lists read **16.2 - 16.3** **HW4 assigned**
Week 5	**M 2/1**	**W 2/3**	**F 2/5**
	recursion read 12.1 Wikipedia: recursion	recursive programming read 12.2 - 12.3	recursive programming; maps; grammars read 11.3; 12.3, 12.5 Wikipedia: map, grammar, BNF Stanford videos: lecture 1, lecture 2 **HW5 assigned**
Week 6	**M 2/8**	**W 2/10**	**F 2/12**
	more sets and maps; `Iterator` read 11.2 - 11.3; 10.1 Java Tutorial: set, map, iterator Wikipedia: set, map, iterator	searching/sorting; `Comparable` read 13.1 - 13.4; 10.2 Java Tutorial: searching, sorting Wikipedia: b.search, sort, selection, merge Youtube: Obama on sorting	recursive backtracking read Stuart's notes Stanford videos: lecture 1, lecture 2
Week 7	**M 2/15**	**W 2/17**	**F 2/19**
	NO CLASS holiday (Presidents Day)	**MIDTERM EXAM**, in class	recursive backtracking read Stuart's notes **HW6 assigned**
Week 8	**M 2/22**	**W 2/24**	**F 2/26**
	binary trees read **17.1 - 17.2** Wikipedia: binary tree Stanford: lecture 22 (2:00 - 18:00)	binary search trees read **17.3** Wikipedia: binary search tree Stanford videos: lecture 22 (28:18 - end)	binary search trees read **17.3** **HW7 assigned**
Week 9	**M 3/1**	**W 3/3**	**F 3/5**
	I/O streams; exceptions; inheritance read 9.3, 6.4 Java Tutorial: I/O streams, exceptions Java API: `InputStream`, `OutputStream`, `URL`, `Exception`	inheritance and polymorphism read 9.2; Stuart's notes Java API: `Object`	priority queues; Huffman trees read Stuart's notes Java API: `PriorityQueue` Wikipedia: priority queue **HW8 assigned**
Week 10	**M 3/8**	**W 3/10**	**F 3/12**
	advanced list implementation; abstract/inner classes; generics read 11.1; 9.6; 15.3-15.4; 16.4-16.5 Java Tutorial: abstract classes, inner classes, generics	advanced set implementation; hashing Wikipedia: hash table Stanford videos: lecture 24	computer science; discuss final exam; course evaluations

This calendar should accurately describe what has occurred in past lectures, but it won't always accurately predict the future.