

	CS105	Semester 2, 2011				
Week 1	Monday	18-Jul	1	Nested Loops, Formatting output, Arrays revisited		
	Wednesday	20-Jul	2	2D Arrays		
	Thursday	21-Jul	3	Growable Arrays, ArrayList, Generics with ArrayLists		
Saturday/Sunday						
Week 2	Monday	25-Jul	4	Flow Of Control, Exceptions		
	Wednesday	27-Jul	5	Exceptions, finally, throwing an Exception		
	Thursday	28-Jul	6	User defined Exceptions		
Saturday/Sunday						
Week 3	Monday	1-Aug	7	File class, command line arguments		
	Wednesday	3-Aug	8	Reading from text files		
	Thursday	4-Aug	9	Writing to text files		
Saturday/Sunday						
Week 4	Monday	8-Aug	10	Performance Analysis, Big O notation		
	Wednesday	10-Aug	11	Sorting, Selection sort, compareTo() method		
	Thursday	11-Aug	12	compareTo() method		
Saturday/Sunday						
Week 5	Monday	15-Aug	13	Recursive definition, Writing recursive methods		
	Wednesday	17-Aug	14	More on recursive methods, Efficiency		
	Thursday	18-Aug	15	Mergesort, Quicksort	Friday	A1 due 7%
Saturday/Sunday						
Week 6	Monday	22-Aug	16	ADTs, List ADT, Object type, interfaces, Basic concept of inheritance		
	Wednesday	24-Aug	17	Java 1.5		
	Thursday	25-Aug	18	Comparable interface, Iterator interface		
				MID-SEMESTER BREAK		

Week 7	Monday	12-Sep	19	Linked list data structure, implementations of a List			TEST 6:15-7:30
	Wednesday	14-Sep	20	Tail references, Circular linked lists, Doubly linked lists			
	Thursday	15-Sep	21	List variations and performance			
Saturday/Sunday							
Week 8	Monday	19-Sep	22	Stack ADT, applications			
	Wednesday	21-Sep	23	Implementations of stacks, Queue ADT, applications			
	Thursday	22-Sep	24	Implementations of Queues			
Saturday/Sunday							
Week 9	Monday	26-Sep	25	Binary tree terminology, Traversal methods			
	Wednesday	28-Sep	26	Tree iterators, Search tree definition			
	Thursday	29-Sep	27	Binary tree operations	Friday		A2 due 8%
Saturday/Sunday							
Week 10	Monday	3-Oct	28	Efficiency of binary search trees, Balanced BSTs			
	Wednesday	5-Oct	29	Binary search tree implementation, using binary search trees			
	Thursday	6-Oct	30	Introduction to table structures			
Saturday/Sunday							
Week 11	Monday	10-Oct	31	Implementation of a table structure, priority queues			
	Wednesday	12-Oct	32	Heap structures			
	Thursday	13-Oct	33	Heap sort			
Saturday/Sunday							
Week 12	Monday	17-Oct	34	Hash tables, Hash functions			
	Wednesday	19-Oct	35	Resolving collisions, Efficiency of Hash tables			
	Thursday	20-Oct		NO LECTURE	Friday		A3 due 7.5%
LECTURES END							