Text Chapter	Topic
Chapter 1-2 Chapter 3.1-3.3	Syllabus, Reality Check
	Arrays, LinkedLists
	ArrayLists, LinkedLists
Chapter 3.4 Chapter 6.1-6.2	Doubly LinkedLists
	Circular LinkedLists
	Stacks
Chapter 6.2 Chapter 7.4	
	Queues, Deques
	Iterators, Iterable
Chapter 8 Chapter 11.1	Trees, Binary Tree
	BST and Traversals
	BST Operations
Chapter 9.1-9.4	Heaps
	Priority Queues
Chapter 10.1-10.2	Maps, Hash Table,
	External Chaining
	Linear Probing, Double Hash
Chapter 10.4 Chapter 11.3	Skip Lists
	AVL
	AVL
Chapter 11.3-11.4	AVL
	Splay Trees
Chapter 11.5	2-4 Trees
	Bubble, Insertion, and Selection Sort
Chapter 12.1,12.3	Merge Sort
	Radix LSD Sort
	In-place Quick Sort
Chapter 12.2, 12.5 Chapter 13.2 Paper	Kth Selection
	Pattern Matching, Brute Force
	Boyer-Moore
Paper Chapter 14.1	KMP (detail the failure table)
	KMP
	Graphs Intro

Chapter 14.2-14.3	DFS, BFS
	Dijkstra's
Chapter 13.5 Chapter 14.7	MST, Prims
	Kruskal
	LCS
	Floyd-Warshall