Mar 12 Day01	BinaryArraySearch Array	MaxFinder pp.3-7,9,25,36-41 pp.47,172-175	Data Abstraction Bag, Queue, Stack pp. 96-99 pp. 121-129	Algorithm Analysis Big O notation pp. 132-141 pp. 176-183
Mar 19 Day05 HW 1	Linked List Type Big O notation pp. 142-157	Sorting Variations pp. 243-257	MergeSort pp. 271-287	Quicksort **HW1 Due** pp. 288-307
Mar 26 Day09 HW 2	Heap Data Type Priority Queue pp. 308-314	HeapSort pp. 315-327	Symbol Table pp. 361-374	Hash Tables **HW2 Due** pp. 458-463
Apr 02 Day13 Exam 1	Linear Probing Review pp. 469-477	**EXAM 1** **20% of grade**	BinaryTree pp. 396-414	BinaryTree Traversals
Apr 09 Day17 HW3	Balanced BSTs AVL	Balanced BSTs Undirected Graphs AVL pp. 515-527	Undirected Graphs DFS pp. 528-537	Guest Lecture: TBA **HW3 Due**
Apr 16 Day21	**Patriots Day** **No Lecture**	Undirected Graphs BFS pp. 538-542 pp. 548-556	Directed Graphs pp. 566-583	**Project** **Presentation Day** **No Lecture**
Apr 23 Day23 HW 4	Asymptotic Analysis O(f(n)), Θ, Ω **HW4 Due**	Directed Weighted Graphs Single-Source SP pp. 604,638-657	Bellman-Ford pp. 668-683	A* Search, BFS, DFS
Apr 30 Day27 HW 5 Exam 2	Review **HW5 Due**	**EXAM 2** **25% of grade**		

Each homework assesses the material presented in lectures and found in readings. Homeworks are due electronically by 2PM on the day the assignment is due. There is a 25% late penalty until 6PM. After 6PM no further submissions are allowed.

20% Exam 1	**11%** HW1 – Recursion, Counting, Fundamental Data Types, Mathematical models **11%** HW2 – Sorting
25% Exam 2	**11%** HW3 – Searching / Hash Table **11%** HW4 – Searching / BST / Balanced BST **11%** HW5 – Graphs / DFS / BFS

Guest Lecture will cover different material from my posted lecture, which I still expect everyone to read.

Any revisions to this syllabus will be announced in class and **highlighted in red**.