

Date	#	Unit	Lecture	Relevant Sections in CLRS
Thu, Sep 8, 2016	L1	Intro	Algorithmic Thinking, Peak Finding	1.1, 2.3, 3.1
Tue, Sep 13, 2016	L2	Intro	Models of Computation, Python Cost Model, Document Distance	2.2, 3.2
Thu, Sep 15, 2016	L3	Sorting	Insertion Sort, Merge Sort, Master Theorem	2.1, 4
Tue, Sep 20, 2016	L4	Sorting	Heaps, Heap Sort	6
Thu, Sep 22, 2016	L5	Sorting	Binary Search Trees, BST Sort	12, 14
Tue, Sep 27, 2016	L6	Sorting	AVL Trees, AVL Sort	13.1, Exercise 13-3
Thu, Sep 29, 2016	L7	Sorting	Sorting Lower Bounds, Counting Sort, Radix Sort	8
Tue, Oct 4, 2016	L8	Hashing	Hashing with Chaining	11.1 - 11.3
Thu, Oct 6, 2016	L9	Hashing	Table Doubling, Karp-Rabin	17.4, 32.1, 32.2
Tue, Oct 11, 2016			COLUMBUS DAY	
Thu, Oct 13, 2016	L10	Hashing	Intro to Advanced Hashing (Universal Hashing, Open Addressing,	11.4 - 11.5
Tue, Oct 18, 2016			QUIZ 1 in evening (7 or 7:30, 2 hours)	
Thu, Oct 20, 2016	L11	Graphs	Breadth-First Search (BFS)	22.1 - 22.2
Tue, Oct 25, 2016	L12	Graphs	Depth-First Search (DFS), Topological Sort	22.3 - 22.4
Thu, Oct 27, 2016	L13	Graphs	Single-Source Shortest Paths Problem, Relaxation Algorithms	24 (pg. 643 - 651), 24.4
Tue, Nov 1, 2016	L14	Graphs	Dijkstra	24.3
Thu, Nov 3, 2016	L15	Graphs	Bellman-Ford	24.1
Tue, Nov 8, 2016	L16	Graphs	All-Pairs Shortest Paths: Repeated Squaring, Floyd-Warshall, John	25
Thu, Nov 10, 2016	L17	Dynamic Progra	Memoization, Subproblems, Guessing, Bottom-up; Fibonacci, Shor	15.1-15.2
Tue, Nov 15, 2016	L18	Dynamic Progra	Parent Pointers; Text Justification, Perfect-Information Blackjack	15.3-15.4
Thu, Nov 17, 2016			QUIZ 2 in evening	
Tue, Nov 22, 2016	L19	Dynamic Progra	String Subproblems; Parenthesization, Edit Distance	15.5
Thu, Nov 24, 2016			DROP DATE / THANKSGIVING	
Tue, Nov 29, 2016	L20	Numerics	Continuous Optimization I	
Thu, Dec 1, 2016	L21	Numerics	Continuous Optimization II	
Tue, Dec 6, 2016	L22	Geometry	Line-Segment Intersection	33.1
Thu, Dec 8, 2016	L23	Complexity	P, NP, NP-complete, EXP, R	34
Tue, Dec 13, 2016	L24	Advanced Topics	Advanced Topics	