Tentative Schedule CS 325H – Winter 2019

Week	Tuesday	Thursday
1	Ch 1: Role of Algorithms Ch 2: Getting Started Insertion Sort, Analyzing Algorithms, Designing Algorithms Ch 3: Growth of Functions	Ch 3: Growth of Functions cont. Activity 1
2	Ch 4: Divide and Conquer HW 1 – Due at 11:59pm	Ch 4: Solving Recurrences JE: Appendix II: Solving Recurrences Activity 2
3	Ch 15: Dynamic Programming JE: 5. Dynamic Programming HW 2 - Due at 11:59pm	More DP
4	More DP Activity 3 HW 3 - Due at 11:59pm	Ch 16: Greedy Algorithms
5	Greedy Algorithms Activity 4	Ch 22: Elementary Graph Algorithms. BFS & DFS JE: Basic Graph Algorithms HW 4 - Due at 11:59pm
6	Ch 23 Minimum Spanning Tree Ch 24: Shortest Path	Graph Algorithms cont. Activity 5 HW 5 - Due at 11:59pm
7	Ch 29 Linear Programming	Ch 29 Linear Programming Activity 6
8	Ch 34 NP Completeness JE: 30. NP Hardness HW 6 - Due at 11:59pm	NP-Complete Problems
9	NP Complete Problems & Approximation Algorithms Activity 7 HW 7 - Due at 11:59pm	Ch 35 Approximation Algorithms
10	UVA Online Judge Problems	Presentations

Final report due Friday March 22nd at 9:30 am.

CLRS: Introduction to Algorithms, 2nd or 3rd Edition, Cormen, Leiserson, Rivest and Stein JE: Algorithms, Etc. by Jeff Erickson, http://jeffe.cs.illinois.edu/teaching/algorithms/