Day	Date	Class #	Lecture	Reading	Problem Set
Tue	Jan 25	1	Introduction	1.1 - 1.2	PS1 out
Thu	Jan 27	2	Stable Matching Problem	1.1 - 1.2	
Fri	Jan 28	Discussion 1	Review on logic, proofs, math; stable matching		
Tue	Feb 1	3	Basics of Algorithms Analysis	2	PS1 in / PS2 out
Thu	Feb 3		Review on Graphs	3	
Fri	Feb 4	Discussion 2	Recurrence, asymptotics, graphs, trees		
Tue	Feb 8	5	Greedy 1: Interval Scheduling Problem	4.1	
Thu	Feb 10		Greedy 2: Scheduling Problem to Minimize Lateness	4.2	PS2 in / PS3 out
Fri	Feb 11	Discussion 3	Greedy		
Tue	Feb 15	7	Greedy 3: Shortest Path Problem	4.4	
Thu	Feb 17	8	Greedy 4: Minimum Spanning Tree	4.5 - 4.6	
Fri	Feb 18	Discussion 4	Greedy		
Tue	Feb 22	9	Dynamic Programming 1: Weighted Interval Scheduling Problem	6.1 - 6.2	PS3 in / PS4 out
Thu	Feb 24	10	Dynamic Programming 2: Subset Sums and Knapsacks Problem	6.4	
Fri	Feb 25	Discussion 5	Dynamic Programming		
Tue	Mar 1	11	Dynamic Programming 3: Shortest Path Problem with Negative Edges	6.8, 6.10	
Thu	Mar 3	12	Divide and Conquer 1: Mergesort Algorithm	5.1 - 5.2	
Fri	Mar 4	Discussion 6	Divide and Conquer		
Tue	Mar 8	13	Divide and Conquer 2: Integer Multiplication Problem	5.5	PS4 in
Wed	Mar 9	Review 1			
Thu	Mar 10	14	Midterm 1		
Fri	Mar 11	no disc	Grade Midterm 1		
Tue	Mar 15	15	Network Flow 1: Max Flow Problem	7.1	PS5 out
Thu	Mar 17	16	Network Flow 2: Max Flow and Min Cuts	7.2 - 7.3	
Fri	Mar 18	Discussion 7	Network Flow		
No	class		~~ Spring Break ~~		
Tue	Mar 29	17	Network Flow 3: Bipartite Matching, Circulation with Demands	7.5, 7.7	PS5 in / PS6 out
Thu	Mar 31	18	Complexity 1: Polynomial-Time Reductions	8.1	
Fri	Apr 1	Discussion 8	Complexity		
Tue	Apr 5	19	Complexity 2: Satisfiability Problem	8.2	
Thu	Apr 7	20	Complexity 3: NP and NP-Complete Problems	8.3 - 8.4	
Fri	Apr 8	Discussion 9	Complexity		
Tue	Apr 12	21	Complexity 4: Traveling Salesman and Hamiltonian Cycle Problems	8.5	PS6 in / PS7 out
Thu	Apr 14	22	Complexity 5: PSPACE Problems	9.1 - 9.3	
Fri	Apr 15	Discussion 10	Complexity		
Tue	Apr 19	23	Approximation 1: Load Balancing Problem	11.1	
Thu	Apr 21	24	Approximation 2: Set Cover and Vertex Cover Problems	11.3 - 11.4	
Fri	Apr 22	Discussion 11	Approximation		
Tue	Apr 26	25	Approximation 3: PTAS for Knapsack Problem	11.8	PS7 in
Wed	Apr 27	Review 2			
Thu	Apr 28	26	Midterm 2		
Fri	Apr 29	no disc	Grade Midterm 2		