

Month	Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
AUGUST	1		24 First Day of Classes	25 Lecture: Introduction, algorithm analysis and the selection problem		27 Lecture: Concrete models and lower bounds	28 Recitation: Lower bounds	
						Homework 1 out		
SEPTEMBER	2			1 Lecture: Integer Models and Integer Sorting		3 Lecture: Hashing - universal and perfect hashing	4 Recitation: Integer sorting and hashing	
						Homework 1 due	Homework 2 out	
	3		7 LABOR DAY	8 Lecture: Fingerprinting		10 Lecture: Range query data structures	11 Recitation: Fingerprinting and SegTrees	
				Programming Problem 1 out		Homework 2 due		
	4			15 Lecture: Amortized analysis	MIDTERM 1 - 7:00 PM	17 Lecture: Splay Trees	18 Recitation: Amortized Analysis and Splay Trees	
						Homework 3 out	Programming Problem 1 Due	
	5			22 Lecture: Union-Find		24 Lecture: Dynamic Programming	25 Recitation: Dynamic programming	
						Homework 4 out		
				Homework 3 orals				
OCTOBER	6			29 Lecture: Dynamic Programming II		1 Lecture: Network Flows I: Flows, Cuts, and Matchings	3 Recitation: Graph DP & Network flow	
				Programming Problem 2 out		Homework 4 due		
	7			6 Lecture: Network Flows II: Advanced Flow Algorithms	MIDTERM 2 - 7:00 PM	8 Lecture: Network Flows III: Minimum-cost Flows	9 Recitation: Advanced network flow	
						Programming Problem 2 Due		

Month	Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	-		13 FALL BREAK	14 FALL BREAK	15 FALL BREAK	16 FALL BREAK	17 FALL BREAK	
			No Classes	No Classes	No Classes	No Classes	No Classes	
	8			20 Lecture: Game Theory <i>Programming Problem 3 out</i>		22 Lecture: Linear Programming I: Fundamentals and Modeling <i>Homework 5 out</i>	23 Recitation: Game theory & Linear programming	
	9			27 Lecture: Linear Programming II: Duality <i>Homework 5 due</i>		29 Lecture: Linear Programming III: Polytopes and Integrality <i>Homework 6 out</i>	30 Recitation: More linear programming <i>Programming Problem 3 Due</i>	
NOVEMBER	10			3 DEMOCRACY DAY		5 Lecture: General Matchings <i>Homework 6 orals</i>	6 Recitation: General Matchings	
	11			10 Lecture: Approximation Algorithms <i>Programming Problem 4 out</i>	MIDTERM 3 - 7:00 PM	12 Lecture: Online Algorithms <i>Homework 7 out</i>	14 Recitation: Online Algorithms and Approximation Algorithms	
	12			17 Lecture: Multiplicative weights algorithm <i>Homework 7 due</i>		19 Lecture: The Fast Fourier Transform Algorithm <i>Homework 8 out</i>	20 Recitation: FFT and Multi. weights algorithm <i>Programming Problem 3 Due</i>	
	13			24 Lecture: Convolutions and their Applications	25 THANKSGIVING BREAK	26 THANKSGIVING BREAK	27 THANKSGIVING BREAK	
DECEMBER	14			1 Lecture: Polynomials		3 Lecture: Final Review	4 Recitation: Polynomials	
						<i>Homework 8 orals</i>		

Month	Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	15		8 FINAL EXAM WEEK	9 FINAL EXAM WEEK	10 FINAL EXAM WEEK	11 FINAL EXAM WEEK	12 FINAL EXAM WEEK	