MONTH	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Week
AUGUST		26	Lecture: Introduction, algorithm analysis and the selection problem		Lecture: Concrete models and lower bounds **Homework 1 out**	Recitation: Lower bounds		1
SEPTEMBER		2 **LABOR DAY**	Lecture: Integer sorting	**Homework 1 due**	Lecture: Hashing, universal and perfect hashing **Homework 2 out**	Recitation: Integer sorting and hashing		2
		9	Lecture: Fingerprinting **Programming Problem 1 out**	**Homework 2 due**	Lecture: Range query data structures **Homework 3 out**	Recitation: Fingerprinting and SegTrees		3
		16	Lecture: Amortized analysis	**Homework 3 orals**	Lecture: Union-Find	Recitation: Amortized Analysis and Union Find **Programming Problem 1 Due**		4
		23	**MIDTERM ONE (7:00PM)**		Lecture: Dynamic Programming **Homework 4 out**	Recitation: Dynamic programming		5
		30	Lecture: Dynamic Programming II **Programming Problem 2 out**	**Homework 4 due**	Lecture: Network Flows I: Flows, Cuts, and Matchings **Homework 5 out**	Recitation: Graph DP & Network flow		6
OCTOBER		7	Lecture: Network Flows II: Advanced Flow Algorithms	**Homework 5 due**	Lecture: Network Flows III: Minimum-cost Flows	Recitation: Advanced flow **Programming Problem 2 Due**		7
		14 **FALL BREAK**						
		21	Lecture: Game Theory **Programming Problem 3 out**		Lecture: Linear Programming I: Fundamentals and Modeling **Homework 6 out**	Recitation: Game theory & Linear programming		8
		28	Lecture: Linear Programming II: Duality	**Homework 6 orals**	Lecture: Linear Programming III: Polytopes and Integrality	Recitation: More linear programming **Programming Problem 3 Due**		9
NOVEMBER		4	**MIDTERM TWO (7:00PM)**		Lecture: Approximation Algorithms **Homework 7 out**	Recitation: Approximation algorithms		10
		11	Lecture: Online Algorithms **Programming Problem 4 out**	**Homework 7 due**	Lecture: Streaming Algorithms **Homework 8 out**	Recitation: Online and streaming algorithms		11
		18	Lecture: Computational Geometry I	**Homework 8 due**	Lecture: Computational Geometry II: Randomized Incremental **Homework 9 out**	Recitation: Computational geometry **Programming Problem 4 Due**		12
		25	Lecture: Computational Geometry III: Sweepline	**THANKSGIVING BREAK**				13
DECEMBER		2	Lecture: Polynomials	**Homework 9 orals**	Lecture: The Fast Fourier Transform & Convolutions	Recitation: Polynomials, FFT, Online learning		14
		9 **FINAL EXAM WEEK**						15