EECS 203 F10

Lec	Date	Topic	Chapter	Homework	Exam	Day
1	7-Sep-10	Introduction to Course, Propositional Logic.	1.1	HW 1 out		Tue
2	9-Sep-10	Propositional Equivalences.	1.2			Thu
3	14-Sep-10	Predicates and Quantifiers.	1.3, 1.4	HW 1 due; HW 2 out		Tue
4	16-Sep-10	Introduction to proofs.	1.5			Thu
5	21-Sep-10	Proof Methods and Strategy.	1.6, 1.7	HW 2 due; HW 3 out		Tue
6	23-Sep-10	Sets, Set Operations.	2.1, 2.2			Thu
7	28-Sep-10	Functions.	2.3	HW 3 due; HW 4 out		Tue
8	30-Sep-10	Sequences and Summations.	2.4			Thu
9	5-Oct-10	*Midterm 1 Review (Chapters 1-2).*		HW 4 due; HW 5 out		Tue
	6-Oct-10				**Midterm 1** 8:00-9:30 pm CHRYS 220, CSE 1670, DOW 1010/1014/1017	Wed
10	7-Oct-10	Algorithms.	3.1			Thu
11	12-Oct-10	Growth of Functions, Complexity of Algorithms.	3.2, 3.3	HW 5 due; HW 6 out		Tue
12	14-Oct-10	Mathematical Induction.	4.1			Thu
	19-Oct-10	Fall Study Break				Tue
13	21-Oct-10	Strong Induction and Well-ordering.	4.2			Thu
14	26-Oct-10	Basics of Counting, Pigeonhole Principle.	5.1, 5.2	HW 6 due; HW 7 out		Tue
15	28-Oct-10	Permutations and Combinations.	5.3			Thu
16	2-Nov-10	Binomial Coefficients.	5.4	HW 7 due; HW 8 out		Tue
17	4-Nov-10	Generalized Permutations and Combinations.	5.5			Thu
18	9-Nov-10	*Midterm 2 review (Chapters 3-5).*		HW 8 due; HW 9 out		Tue
	10-Nov-10				**Midterm 2** 8:00-9:30 pm CHRYS 220, CSE 1670, DOW 1013/1014	Wed
19	11-Nov-10	Relations and Their Properties, Matrices.	8.1, 3.8			Thu
20	16-Nov-10	Representing Relations, Closure of Relations.	8.3, 8.4	HW 9 due; HW 10 out		Tue
21	18-Nov-10	Transitive Closure (Warshall's algorithm).	8.4			Thu
22	23-Nov-10	Equivalence Relations, Partial Orderings.	8.5, 8.6	HW 10 due; HW 11 out		Tue
	25-Nov-10	Thanksgiving Break				Thu
23	30-Nov-10	Graphs, Graph Terminology.	9.1, 9.2			Tue
24	2-Dec-10	Connectivity.	9.3, 9.4			Thu
25	7-Dec-10	Euler and Hamiltonian Paths, Shortest Paths.	9.5, 9.6	HW 11 due; HW 12 out		Tue
26	9-Dec-10	*Final exam review (Chapters 8-9).*				Thu
	13-Dec-10			HW 12 due		Mon
	20-Dec-10				**Final** 7:00-9:00 pm TBD	Mon