

Date	Topic	Reading
01/22	Propositional logic	1.1,1.2
01/24	Predicates and quantifiers	1.3
01/26	Sets and set operations	1.4, 1.5
01/29	Functions	1.6
01/31	Sequences	1.7
02/02	Comparing functions	1.8
02/05	Algorithms and complexity	2.1, 2.2
02/07	Division of integers	2.3
02/09	Different bases	2.4
02/12	Arithmetic in CS	2.5
02/14	Matrices	2.6
02/16	Proofs	3.1
02/19	Induction	3.2
02/21	Recursive definitions	3.3
02/23	Recursive algorithms	3.4
02/26	Program correctness	3.5
02/28	Counting, pigeonhole principle	4.1 4.2
03/02	Permutations and combinations	4.3
03/05	Review session	
03/06	Prelim I. Lectures up to 02/19	
03/07	Discrete probability	4.4
03/09	Probability theory I	4.5
03/12	Probability theory II	4.5
03/14	Permutations and combinations	4.6
03/16	Generating permutations and combinations	4.7
03/17	Spring Break. Have fun.	
03/26	Recurrence relations	5.1
03/28	Inclusion-exclusion	5.5
03/30	Properties of relations	6.1, 6.2
04/02	Transitive closure and equivalence	6.3, 6.4, 6.5
04/04	Partial orderings	6.6
04/06	Graphs	7.1, 7.2
04/09	Review session	
04/10	Prelim II. Lectures up to 03/26	
04/11	Graph isomorphism	7.3
04/13	Connectivity. Euler, Hamilton paths	7.4, 7.5
04/16	Shortest paths	7.6
04/18	Planar graphs, coloring	7.7, 7.8
04/20	Trees	8.1, 8.2
04/23	Tree traversal	8.3
04/25	Trees and sorting	8.4
04/27	Boolean functions	9.1, 9.2
04/30	Logic gates	9.3
05/02	Review session	
05/04	Review session	
05/18	Final, commulative	