

CMPE 16

Applied Discrete Mathematics

Reading Schedule

The table below provides a rough guide to the topics we will cover on a weekly basis. All chapter, section and page numbers are from the required text:

Book of Proof by Richard Hammack <http://www.people.vcu.edu/~rhammack/BookOfProof/>

Week	Topic	Sections
1	Sets	1.1-1.8
2	Logic	1.9-1.10, 2.1-2.5
3	Counting Principles	2.6-2.12, 3.1-3.2
4	Combinatorial Identities	3.3-3.10
5	Direct Proofs Contrapositive Proofs	4.1-4.5 5.1-5.3
6	Proofs by Contradiction Existence Proofs	6.1-6.4 7.1-7.4
7	Proofs Involving Sets Disproofs	8.1-8.4 9.1-9.3
8	Mathematical Induction	10.1-10.5
9	Relations	11.1-11.6
10	Functions	12.1-12.6