

CSE 16

Applied Discrete Mathematics

Summer 2023 (8-week session: June 26 - August 18)

Reading Schedule

Required Text:

Discrete Mathematics and its Applications

by Kenneth H. Rosen, 7th edition, McGraw-Hill 2011 (ISBN 978-0073383095)

Week	Topics	Sections	Exams/Quizzes
1	Propositional Logic	1.1-1.5	
2	Quantifiers, Proofs	1.7-1.8	
3	Sets, Functions	2.1-2.3	Quiz 1
4	Sequences, Cardinality	2.4-2.5	
5	Divisibility, Modular Arithmetic	4.1-4.3	Quiz 2
6	Induction	5.1-5.3	
7	Counting, Combinatorics	6.1-6.5	Quiz 3
8	Discrete Probability	7.1-7.2	
9	Advanced Counting	8.1, 9.1	Quiz 3
10	Relations	9.3, 9.5	