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, Quantifiers	1.1-1.5	-------
2	Proofs, Sets, Functions	1.7, 1.8, 2.1, 2.2	Quiz 1
3	Sequences, Divisibility	2.3-2.5, 4.1	Quiz 2
4	Modular Arithmetic, Induction	4.3, 5.1-5.3	Quiz 3
5	Counting, Combinatorics	6.1-6.5	-------
6	Discrete Probability	7.1, 7.2	Quiz 4
7	Advanced Counting	8.1, 9.1	Quiz 5
8	Relations	9.5	Final Exam