CSE 16
Applied Discrete Mathematics
Summer 2024 (8-week session: June 24 - August 16)

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	1.1-1.4	-------
2	Proofs, Sets, Functions	1.5, 1.7, 1.8	-------
3	Sequences, Divisibility	2.1-2.4	Quiz 1
4	Modular Arithmetic, Induction	2.5, 4.1, 4.3, 5.1	Quiz 2
5	Counting, Combinatorics	5.2, 5.3, 6.1	Quiz 3
6	Discrete Probability	6.2-6.4	Quiz 4
7	Advanced Counting	6.5, 7.1, 7.2	Quiz 5
8	Relations	8.1, 9.1, 9.5	Final Exam