

Mon	Wed	Fri
Aug 16, 2021	Aug 18, 2021	Aug 20, 2021
		Intro (Ch 0, Preview 1.1)
Aug 23, 2021	Aug 25, 2021	Aug 27, 2021
	1.1-1.3 Sets and Set Operations (Preview 1.4) Due today: • R 1.1-1.3 (noon, on Canvas) • D #3, 6, 17, 20a, 26, 30 (at the beginning of class)	1.4 Collections of Sets, Arbitrary Unions and Intersections Due today: • R 1.4 • D #36, 40, 42
Aug 30, 2021	Sep 1, 2021	Sep 3, 2021
	1.5 Partitions Due today: • R 1.5 • D #46, 50 • M (1.1-3) • #3, 6, 9, 12 , 17, 20 , 26, 30, 34 (add'l in bold)	1.6 Products of Sets Due today: • R 1.6 • D #57, 59, 63
Sep 6, 2021	Sep 8, 2021	Sep 10, 2021
Labor Day	2.1 Introduction to Mathematical Logic Due today: • R 2.1 • D #1, 2, 4, 8	2.2-3 Negation, Disjunction, and Conjunction Due today: • R 2.2-3 • D #14, 16, 18a • M (1.4-6) • #36, 40, 42, 46, 50, 57, 59, 63, 52, 60, 66, 70, 72
Sep 13, 2021	Sep 15, 2021	Sep 17, 2021
	2.4-5 Implications Due today: • R 2.4-5 • D 19, 25, 30, 34	2.6 The Biconditional Due today: • R 2.6 • D 35, 36, 38 • M (2.1-3) #1, 2, 4, 8, 14, 16, 18a, 3, 18bc
Sep 20, 2021	Sep 22, 2021	Sep 24, 2021
	2.7-9 Tautologies and Contradictions, Logical Equivalence Due today: • R 2.7-9 • D 46, 47, 53, 58	2.10 Quantified Statements Due today: • R 2.10 • D 65, 67, 68, 70 • M (2.4-6) • 19, 25, 30, 34, 35, 36, 38; 20, 24, 26, 32, 42
Sep 27, 2021	Sep 29, 2021	Oct 1, 2021
	3.1-3 Intro to Proofs, Direct and Contrapositive Due today: • R 3.1-3 • D 1, 6, 8, 10, 16, 18	3.4-5 Proof by Cases; Evaluating Proofs Due today: • R 3.4-5 • D 26, 32, 40 • M (2.7-2.10) • 46, 47, 53, 58, 65, 67, 68, 70; 48, 59, 62, 72, 74
Oct 4, 2021	Oct 6, 2021	Oct 8, 2021
	4.1-2 Proofs Involving Integers Due today: • R 4.1-2 • D 1, 2, 4, 14, 15, 18 • M (3.1-3.5) • 1, 6, 8, 10, 16, 18, 26, 32, 40, 4, 14, 20, 22, 28, 34	Fall Break

Mon	Wed	Fri
Oct 11, 2021	Oct 13, 2021	Oct 15, 2021
	Midterm Exam (Ch 1-3)	4.3 Proofs Involving Real Numbers Due today: • R 4.3 • D 28, 30, 32
Oct 18, 2021	Oct 20, 2021	Oct 22, 2021
	4.4-5 Proofs Involving Sets Due today: • R 4.4-5 • D 40, 42, 44, 54	4.6 Proofs Involving Products of Sets Due today: • R 4.6 • D 62, 65 • M (4.1-3) • 1, 2, 4, 14, 15, 18, 28, 30, 32, 8, 16, 38
Oct 25, 2021	Oct 27, 2021	Oct 29, 2021
	5.1 Counterexamples 5.2 Proof by Contradiction Due today: • R 5.1-2 • D 2, 4, 10, 14, 16	5.4-5 Proving or Disproving Existence Statements Due today: • R 5.4-5 • D 40, 41, 49 • M (4.4-6) • 40, 42, 44, 54, 62, 65, 46, 48, 50, 58, 68
Nov 1, 2021	Nov 3, 2021	Nov 5, 2021
	Review Ch 4-5 Due today: • R 5.3 • D 54, 56	6.1-2 Mathematical Induction Due today: • R 6.1-2 • D 4, 12, 19
Nov 8, 2021	Nov 10, 2021	Nov 12, 2021
	6.4 Strong Induction Due today: • R 6.4 • D 42, 43, 45 • M (5.1-5) • 2, 4, 10, 14, 16, 40, 41, 49, 54, 56; 26, 27, 42	8.1, 9.1 Relations and Functions Due today: • R 8.1, 9.1 • D (9.1): 1, 2, 4
Nov 15, 2021	Nov 17, 2021	Nov 19, 2021
	9.3 One-to-One and Onto Functions Due today: • R 9.3 • D 18, 19, 20, 25 • M (6.1-4) • 4, 12, 19, 42, 43, 45; 6, 9, 29, 44	9.4 Bijective Functions Due today: • R 9.4 • D 30, 32, 34
Nov 22, 2021	Nov 24, 2021	Nov 26, 2021
	Thanksgiving Break	Thanksgiving Break
Nov 29, 2021	Dec 1, 2021	Dec 3, 2021
	Proof Presentations Due today: • Proof Presentations	Proof Presentations Due today: • Proof Presentations • M (9.1-4) • 1, 2, 4, 18, 19, 20, 25, 30, 32, 34, 26