

Unit 1 Plan

Mon	Wed	Fri
Jan 2, 2023	Jan 4, 2023	Jan 6, 2023
		1.1 Ancient Mathematics To do today: • Read syllabus (on Canvas). • Read 1.1. • RQ 1.1; submit on Canvas by 5pm. • Prepare D 1.1 for Monday.
Jan 9, 2023	Jan 11, 2023	Jan 13, 2023
Intro to Course 1.1 Ancient Mathematics Due today: • Read 1.2-I, RQ • D 1.1	1.2 Diophantus-I Due today: • Read 1.2-II, RQ • D 1.2-I • W 1.1	1.2 Diophantus-II Fermat's Last Theorem Due today: • Read 1.2-III, RQ • D 1.2-II • W 1.2-I
Jan 16, 2023	Jan 18, 2023	Jan 20, 2023
1.2 Diophantus-III Connections: Congruent Numbers Due today: • Read 1.3-I, RQ • D 1.2-III • W 1.2-II	1.3 Euclid-I (p 20-24) Divisibility, Primes, Division Algorithm Due today: • Read 1.3-II, RQ • D 1.3-I • W 1.2-III	1.3 Euclid-II GCDs, Linear Combinations, Euclid's Lemma, Thm. 1.19 Due today: • Read 1.3-III, RQ • D 1.3-II • W 1.3-I
Jan 23, 2023	Jan 25, 2023	Jan 27, 2023
1.3 Euclid-III Euclidian Algorithm I and II Due today: • Read 1.4, RQ • D 1.3-III • W 1.3-II	1.4 Nine Fundamental Properties Due today: • Read 2.1-I, RQ • D 1.4 • W 1.3-III	2.1-I Induction Due today: • Read 2.1-II, RQ • D 2.1-I • W 1.4
Jan 30, 2023	Feb 1, 2023	Feb 3, 2023
Exam 1 (Ch 1)	<i>2.1-II Unique Factorization</i>	<i>2.1-III Unique Factzn and p-adic Order</i>

Assigned Homework Problems

Topic	Discussion	Written
1.1	2, 4(i)(ii), 8, 11, 12, 14	10
1.2-I	21, 22*, 26	27
1.2-II	31*	31*
1.2-III	30, 32, 33*	36
1.3-I	EE1*, 41*, 44	46*
1.3-II	EE2*, 38, 47, 48, Thm 1.19	49*
1.3-III	55(ii), 56, 57, 60, 76(i)	58
1.4	68(i), EE1*, 69*	68(ii)
2.1-I	1, 3, 4*, 5, 8*	7

*An asterisk indicates that a modification or hint has been provided.

EE stands for "Extra Exercise."