

Unit 2 Plan

Tues	Thurs
Sep 21, 2021	Sep 23, 2021
Exam 1 <i>Exam will be 65 minutes; we'll have a 5 minute break, and then a 10 minute preview of 3.3-4.</i>	3.3 Roots and Powers & 3.4 Gaussian and Eisenstein Integers Due today: • W 3.2: 35 • D 3.3-4: 50*, 52, 71, 73 • Read A.1, A.2, RQ A.1-2
Sep 28, 2021	Sep 30, 2021
Service Day	Appendices 1 & 2: Functions, Equivalence Relations Due today: • W 3.3: 56* • D A.1: 7, 8, A.2: 15 (17) • Read 4.1, RQ 4.1
Oct 5, 2021	Oct 7, 2021
4.1 Congruence Due today: • W A.2: 16 • D 4.1: 1, 2, 3, 4, 16, (21) • Read 4.3 up to def. of field (p163), RQ 4.3-I	Fall Break
Oct 12, 2021	Oct 14, 2021
4.3 Commutative Rings-I Due today: • W 4.1: 14* • D 4.3: Extra 4.3 Exercise, 32, 42, 44, 45 • Read 4.3 (finish), RQ 4.3-II	4.3 Commutative Rings-II Due today: • W 4.3: 54(i)* • D 4.3: 55, 56, 57*, 60(i), 64 • Read 5.1, RQ 5.1
Oct 19, 2021	Oct 21, 2021
5.1 Domains and Fraction Fields Quiz 3 (Congruence, Zm) Due today: • W 4.3: 59 • D 5.1: 1, 2*, 5, 6 • Read 5.2, RQ 5.2	5.2 Polynomials Due today: • W 5.1: 3* • D 5.2: 9, 10, 26, 28, (17) • Read 5.3, RQ 5.3-I, RQ 5.3-II
Oct 26, 2021	Oct 28, 2021
5.3 Homomorphisms Due today: • W 5.2: 14 • D 5.3: 29, 33, 45*, 47, 48 • Read 6.1 (up to 242), RQ 6.1-I	6.1 Parallels to \mathbb{Z} -I Due today: • W 5.3: 31(i) • D 6.1-I: 1*, 2, 3, 6*, 7 • Read 6.1 (finish), RQ 6.1-II
Nov 2, 2021	Nov 4, 2021
Exam 2 <i>Exam will be 65 minutes; we'll have a 5 minute break, and then a 10 minute preview of 6.1-II.</i>	6.1 Parallels to \mathbb{Z} -II Due today: • W 6.1-I: 19 • D 6.1-II: 17(i)*, 23*, 25, 32(i)(ii) • Read 6.2, RQ 6.2

*An asterisk next to a problem indicates that I have modified the problem or provided a hint. (A problem in parentheses is a challenge problem. Make sure you understand the other problems before attempting the challenge problems.)