Unit 3 Plan

Tues	Thurs
Nov 2, 2021	Nov 4, 2021
Exam 2 *Exam will be 65 minutes; we'll have a 5 minute break, and then a 10 minute preview of 6.1-II.*	6.1 Parallels to \Z -II Due today: • W 6.1-I: 19 • D 6.1-II: 17(i)*, 23*, 25, (30), 32(i)(ii) • Read 6.2, RQ 6.2
Nov 9, 2021	Nov 11, 2021
6.2 Irreducibility Due today: • W 6.1: 26* • D 6.2: Extra 6.2 Exercises 1 and 2, 6.50* • Read 6.2, RQ 6.2	7.1 Quotient Rings Due today: • W 6.2: 35 • D 7.1: 2, 4(i)-(iv), 7, 14(i) • Read 7.2 (up to p292), RQ 7.2-I
Nov 16, 2021	Nov 18, 2021
7.2 Field Theory-I Due today: • W 7.1: 12* • D 7.2: 27, 29 • Read 7.2 (up to p299), RQ 7.2-II	7.2 Field Theory-II Due today: • W 7.2: 30* • D 7.2: 31, 32, 33 • Read 7.2 (finish), RQ 7.2-III
Nov 23, 2021	Nov 25, 2021
7.2 Field Theory-III **Quiz 4** (Algebraic Extensions) Due today: • W 7.2: 36* • D 7.2: 41, 42, 45 • Skim Ch 9; read p389-391 carefully.	Thanksgiving
Nov 30, 2021	Dec 2, 2021
9.1-4 Solvability, Symmetry and Groups Due today: • W 7.2: 39* • D 9.1-4: 8, 11	**Exam 3** *Exam will be 65 minutes.* Due 5pm Friday: • W 9.4: 10

*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.)