

Unit 3 Plan, Math 302, Fall 2015

Mon	Wed	Fri
Nov 2, 2015	Nov 4, 2015	Nov 6, 2015
15.1-I The First Sylow Theorem <i>For next class:</i> RQ 15.2 D 15.1-II: 3, 4, 9*, 23*	15.1-II The Second and Third Sylow Theorems <i>For next class:</i> RQ 16.1, 16.2 D 15.2: 13, 16, 17 W 15.1-II: 7	15.2 Examples and Applications <i>For next class:</i> RQ 16.3 D 16.1-2: 1ef, 3e, 9, 30 W 15.2: 11
Nov 9, 2015	Nov 11, 2015	Nov 13, 2015
16.1, 6.2 Rings, Integral Domains, Fields <i>For next class:</i> RQ 16.4 D 16.3: 5b, 6, 18* W 16.1-16.2: 23	16.3 Ring Homs, Ideals <i>For next class:</i> RQ 17.1, 17.2 D 16.4: 4abe, 16, 26 W 16.3: 7	16.4 Max'l and Prime Ideals (Quiz 3) <i>For next class:</i> RQ 17.3 D 17.1, 17.2: 1, 6, 16 W 16.4: See hand-out.
Nov 16, 2015	Nov 18, 2015	Nov 20, 2015
17.1, 17.2 Polynomial Rings, The Division Algorithm <i>For next class:</i> RQ 21.1 D 17.3: 9, & see hand-out. W 17.1, 17.2: 28	17.3 Irreducible Polynomials <i>For next class:</i> RQ 21.2 D 21.1: 1acd*, 2 W 17.3: See hand-out.	21.1 Extension Fields <i>For next class:</i> Study for Exam 3
Nov 23, 2015	Nov 25, 2015	Nov 27, 2015
Exam 3 <i>For next Monday:</i> RQ 21.3 D: 21.1-2: 3abd, 4, 13	<i>Compass and straightedge project; see Blackboard.</i>	Thanksgiving Break

*See hand-out for hint or modification to the exercise.