

Unit 1 Plan, Math 302, Fall 2015

Mon	Wed	Fri
Sep 7, 2015	Sep 9, 2015	Sep 11, 2015
<p>Labor Day</p> <p><i>For the first class:</i> Read 1.1, 1.2 RQ 1.2</p>	<p>Intro to course; 1.1 A Short Note on Proofs</p> <p><i>For next class:</i> RQ 3.1 D 1.2: 2, 17ab, 18acd, 25</p>	<p>1.2 Sets and Equivalence Relations</p> <p><i>For next class:</i> RQ 3.2 D 3.1: 3, 5, 6 W 1.2: 22a</p>
Sep 14, 2015	Sep 16, 2015	Sep 18, 2015
<p>3.1 Integer Equivalence Classes and Symmetries</p> <p><i>For next class:</i> RQ 3.3 D 3.2: 12, 13, 16, 25* W 3.1: 4</p>	<p>3.2 Groups: Definitions and Examples</p> <p><i>For next class:</i> RQ 4.1-I D 3.3: 35, 37, 45, 47 W 3.2: 31</p>	<p>3.3 Subgroups Quiz 1: Groups</p> <p><i>For next class:</i> RQ 4.1-II D 4.1-I: 3abghij, 6, 7, 14, 21 W 3.3: 48</p>
Sep 21, 2015	Sep 23, 2015	Sep 25, 2015
<p>4.1 Cyclic Subgroups - I</p> <p><i>For next class:</i> RQ 5.1 D 4.1-II: 3c, 27, 37, 38 W 4.1-I: 23</p>	<p>4.1 Cyclic Subgroups - II</p> <p><i>For next class:</i> RQ 5.2 D 5.1: 2ceko, 3bc, 4, 6 W: 4.1-II: 39</p>	<p>5.1 Permutation Groups: Definitions and Notation</p> <p><i>For next class:</i> RQ 6.1 D 5.2: 14, 29*, 36bc W 5.1: 5*</p>
Sep 28, 2015	Sep 30, 2015	Oct 2, 2015
<p>5.2 Dihedral Groups</p> <p><i>For next class:</i> RQ 6.2 D 6.1: 5a-f*, 9, 11*, 17 W 5.2: 19</p>	<p>6.1 Cosets</p> <p><i>For next class:</i> Study for exam. W 6.1: 12</p>	<p>Exam 1</p> <p><i>For next class:</i></p>

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