

Math 316, S2017, Unit 1 Plan

<b>Mon</b>	<b>Wed</b>	<b>Fri</b>
Jan 30, 2017	Feb 1, 2017	Feb 3, 2017
Intro to course; 1.1 Shift Ciphers  <i>Due today:</i> RQ 1.1-1.3 <i>For next class:</i> RQ 1.4, 1.5, 1.6 D 1.2: 3, 7, 14, 15; 1.3: 1, 2, 7 W 1.1: 12	1.2, 1.3 Reduction/ Division Algorithm, The One-Time Pad  <i>For next class:</i> RQ 1.7 D 1.5: 3, 4, 1.6: 3, 4, 5, 7, 9 W 1.3: 3	1.4, 1.5, 1.6 Divisibility, Multiplicative Inverses, Integers mod $m$  <i>For next class:</i> RQ 6.2, 6.3 D 1.7: 1, 6, 7, 10, 12, 13 W 1.6: 10
Feb 6, 2017	Feb 8, 2017	Feb 10, 2017
1.7 The Affine Cipher <b>Quiz 1</b> (1.1-1.6)  <i>For next class:</i> RQ 2.1, 2.2A D 6.2: 1, 2, 6.3: 1*, 2* W 1.7: 11	6.2, 6.3 The Euclidean Algorithm, Computing Inverses mod $m$  <i>For next class:</i> RQ 2.2B D 2.1: 7-10, 12; 2.2: 3, 4, 5 W 6.2: 3	2.1, 2.2A Counting, Basic Ideas in Probability  <i>For next class:</i> RQ 2.3, 2.4 D 2.2: 7, 8, 10 W 2.1: 11
Feb 13, 2017	Feb 15, 2017	Feb 17, 2017
2.2B Basic Ideas in Probability (con't)  <i>For next class:</i> RQ 4.1 D 2.3: 1, 2, 3; 2.4: 1 W 2.2: 12 (w/o using prop'n.)	2.3, 2.4 Statistics of English, Attack on the Affine Cipher  <i>For next class:</i> RQ 4.4 D 4.1: 5, 6, 7, 8, 9 W 2.4: 2	4.1 The Vigenere Cipher  <i>For next class:</i> Study for exam. W 4.1: 1
Feb 20, 2017	Feb 22, 2017	Feb 24, 2017
<b>Exam 1</b>  <i>For next class:</i> RQ 4.5A D 4.4: 1, 2, 5, 9, 10	4.4 Expected Values  <i>For next class:</i> RQ 4.5B D 4.5A W 4.4	4.5A Friedman Attack  <i>For next class:</i> RQ 7.1, 7.2 D 4.5B W 4.5

\*Please see "Additions/Modifications to Homework Problems" on Blackboard.