

Schedule for Math 101 Spring 2018 – Monday/Wednesday Class – Section 4938

Week	Monday	Wednesday
1	1/8 Introduction and Class Activity E.S. pp. 5-9	1/10 Eulerian Circuits and Trails 9.1 #1-18 AND 9.2 #1-8, 13-18 E.S. pp. 10-13 #1-5
2	1/15 <i>Martin Luther King Jr. Day Holiday</i>	1/17* Hamiltonian Circuits 9.3 #1, 2, 13-18 (Last day to choose a mathematician)
3	1/22 Networks 9.4 #55-60 (And watch video on 4 th Dimension, filling in E.S. p. 27 as you watch – BEFORE 1/29)	1/24* Angles and Tessellations E.S. pp. 19-25 #6-11
4	1/29 Higher Dimensions & Fractal Intro REVIEW for TEST 1 E.S. pp. 29-32 #12, 13 a&b (And watch video on fractals, filling in E.S. p. 27 as you watch – BEFORE 2/5)	1/31 TEST 1 GRAPH THEORY & GEOMETRY A ON: Sections 9.1-9.4 & E.S. pp. 5-32
5	2/5 Fractal Dimension, Perimeter, Area, Volume E.S. pp. 44-51 #14-44	2/7* Non-Linear Fractals and Overview E.S. pp. 51-52 #45
6	2/12 Number Theory (Systems) 7.1 #1-14, 17-28, 31-36, 87-92 E.S. pp. 55-56 #46-48	2/14* Number Theory (Bases) 7.2 #1-12, 13-19, 27, 29, 31, 37 E.S. pp. 57-58 #49-52 DUE: Mathematician Project Handout (side 1)
7	2/19 Presidents' Day Holiday	2/21* Prime & Perfect Numbers 7.4 #1-12, 19, 20, 23-30, 35-40
8	2/26 Fibonacci #s, Problem Solving REVIEW for TEST 2 7.5 #3, 4, 11, 12, 18	2/28 TEST 2 GEOMETRY B & NUMBER THEORY ON: Sections 7.1-7.5 & E.S. pp. 33-58
9	3/5 Introduction to Set Theory 2.1 #1-10, 17-28, 37-40, 52, 53, 55-61	3/7* Venn Diagram Applications 2.2 #2, 3, 4, 12, 23-26 E.S. p. 67 #58
10	3/12 Combinatorics 2.3 #2, 6, 13-17, 19, 23-46 E.S. p. 67 #59	3/14* Infinite Sets 2.5 #1-12 & 16 E.S. pp. 68-69 #60-62
11	3/19 Logic: Syllogisms and Reasoning (P.S.) 1.1 #1-4, 23-39, 50 & begin working on E.S. pp. 59-67	3/21* Problem Solving Remember to continue work on E.S. pp. 59-67
12	3/26 Symbolic Logic REVIEW for TEST 3 1.2 #1-7, 35-37	3/28 TEST 3 SET THEORY & PROBLEM SOLVING ON: Sections 1.1, 2.1, 2.2, 2.3, 2.5 & E.S. 67-69
13	4/2 HISTORY PRESENTATIONS Remember to continue work on E.S. pp. 59-67 DUE: Mathematician Project Handout	4/4* HISTORY PRESENTATIONS Remember to continue work on E.S. pp. 59-67
14	4/9 HISTORY PRESENTATIONS Remember to continue work on E.S. pp. 59-67	4/11* HISTORY PRESENTATIONS Remember to continue work on E.S. pp. 59-67
15	4/16 Symbolic Logic 1.3 #3-27 (multiples of 3 only) 41-44, 69-72 1.4 #1-7	4/18 Catch up & REVIEW for FINAL EXAM
Fin.*	CUMULATIVE FINAL EXAM Monday, April 23, 10:00am-12:50pm	

*Homework will be collected on Wednesdays when we don't have tests (excepting the first and last Wed.). During finals week regular classes and office hours are not held. You study and go to finals, but there are no classes to attend. Since office hours are not held, be sure to get your questions answered before this week.