

Schedule for Math 101 Spring 2018 – Tuesday/Thursday Class – Section 4940

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

*Homework will be collected on Thursdays when we don't have tests (excepting the first and last Thu.). 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.