

Schedule for Math 101 Fall 2017 – Tuesday/Thursday Class – Section 5440

Week	Tuesday	Thursday
1	8/29 Eulerian Circuits and Trails 9.1 #1-18 E.S. pp. 5-9 & pp. 10-11 #1-3	8/31 Eulerian Circuits and Trails 9.2 #1-8, 13-18 E.S. pp. 12-13 #4-5
2	9/5 Hamiltonian Circuits 9.3 #1, 2, 13-18	9/7 Networks 9.4 #55-60 (Last day to choose a mathematician)
3	9/12 Angles and Tessellations E.S. pp. 19-25 #6-11	9/14 Dimension E.S. p. 27 (movie) pp. 31-32 #12, 13 a&b
4	9/19 Fractal Intro: Dimension & Counting REVIEW for TEST 1 E.S. #14, 15, 19, 20, 23-25, 27-30, 34, 35, 42 (These probs. are spread through pages 44-49)	9/21 TEST 1 GRAPH THEORY & GEOMETRY A DUE: Sections 9.1-9.4 & E.S. pp. 5-32
5	9/26 Fractal Perimeter & Area E.S. pp. 44-51 #16, 17, 18, 21, 22, 26, 31, 32,33, 36-41, 43, 44	9/28 Non-Linear Fractals & Fractal Overview E.S. p. 53 (movie) pp. 51-52 #45
6	10/3 Number Theory (Systems) 7.1 #1-14, 17-28, 31-36, 87-92 E.S. pp. 55-56 #46-48	10/5 Number Theory (Bases) 7.2 #1-12, 13-19, 27, 29, 31, 37 E.S. pp. 57-58 #49-52 DUE: Initial Research for Mathematician Project
7	10/10 Prime & Perfect Numbers 7.4 #1-12, 19, 20, 23-30, 35-40	10/12 Fibonacci #s, Problem Solving 7.5 #3, 4, 11, 12, 18 Begin work on E.S. pp. 59-66 #53-57
8	10/17 Logic: Syllogisms and Reasoning (P.S.) REVIEW for TEST 2 1.1 #1-4, 23-39, 50	10/19 TEST 2 GEOMETRY B & NUMBER THEORY DUE: Sections 7.1-7.5 & E.S. pp. 33-58
9	10/24 Introduction to Set Theory 2.1 #1-10, 17-28, 37-40, 52, 53, 55-61	10/26 Venn Diagram Applications 2.2 #2, 3, 4, 12, 23-26 E.S. p. 67 #58
10	10/31 Combinatorics 2.3 #2, 6, 13-17, 19, 23-46 E.S. p. 67 #59	11/2 HISTORY PRESENTATIONS Remember to continue work on E.S. pp. 59-67
11	11/7 Out of class activity – see website Remember to continue work on E.S. pp. 59-67	11/9 Out of class activity – see website Remember to continue work on E.S. pp. 59-67
12	11/14 HISTORY PRESENTATIONS Remember to continue work on E.S. pp. 59-67	11/16 HISTORY PRESENTATIONS Remember to continue work on E.S. pp. 59-67
13	11/21 HISTORY PRESENTATIONS Remember to continue work on E.S. pp. 59-67	11/23 <i>Thanksgiving Holiday</i>
14	11/28 Symbolic Logic REVIEW for TEST 3 1.2 #1-7, 35-37	11/30 TEST 3 SET THEORY DUE: Sections 1.1, 2.1, 2.2, 2.3 & E.S. pp. 59-67
15	12/5 Symbolic Logic 1.3 #3-27 (mult. of 3 only) 41-44, 69-72 1.4 #1-7	12/7 Catch up & REVIEW for FINAL EXAM
Fin.*	FINAL EXAM Tuesday, December 12, 10:00am-12:50pm DUE: Sections 1.2, 1.3, 1.4	

*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