

Tentative Schedule for Math 101 Spring 2019 – Monday/Wednesday Class – Section 4938

Week	Monday	Wednesday
1	1/14 Introduction to Graph Theory 13.1 and Handouts	1/16 Eulerian Circuits and Trails 13.2 and Handouts
2	1/21 <i>Martin Luther King Jr. Day Holiday</i>	1/23 Hamilton Paths, Circuits & Complete Graphs 13.3 and Handouts (Last day to choose a mathematician)
3	1/28 Networks and Trees 13.4 and Handouts	1/30 Angles and Tessellations Handouts
4	2/4 Dimension, 4D, & Fractal Intro & Counting Handouts (inc. 4D movie questions)	2/6 Fractal Perimeter and Area Handouts
5	2/11 Fractal Topics Continued REVIEW for TEST 1 (inc. Fractal Movie Questions Handout)	2/13 TEST 1 Graph Theory and Geometry
6	2/18 <i>Presidents' Day Holiday</i>	2/20 Non-Linear Fractals & Fractal Overview Handout DUE: Mathematician Project Handout (page 1)
7	2/25 Number Theory (Systems) 4.1-4.2 and Handouts	2/27 Number Theory: Counting & Conversions 4.3 and Handout
8	3/4 Number Theory: Computation 4.4	3/6 Prime Numbers 5.1 and Handout
9	3/11 Fibonacci Numbers 5.8 REVIEW for TEST 2	3/13 TEST 2 Fractal Geometry and Number Theory
10	3/18 Logical Reasoning & Problem Solving 1.1 and Handouts	3/20 Set Theory Foundations 2.1 & 2.2 (WARNING – lots of problems in HW!) <i>(Continue working on Problem Solving handouts)</i> DUE: Mathematician Project Handout (outline)
11	3/25 Venn Diagrams 2.3 <i>(Continue working on Problem Solving handouts)</i>	3/27 Equality and Application of Sets 2.4-2.5 <i>(Continue working on Problem Solving handouts)</i>
12	4/1 HISTORY PRESENTATIONS <i>(Continue working on Problem Solving handouts)</i>	4/3 HISTORY PRESENTATIONS <i>(Continue working on Problem Solving handouts)</i>
13	4/8 HISTORY PRESENTATIONS <i>(Continue working on Problem Solving handouts)</i>	4/10 HISTORY PRESENTATIONS <i>(Continue working on Problem Solving handouts)</i>
14	4/15 Infinite Sets 2.6 and Handouts	4/17 Symbolic Logic 3.1
15	4/22 Symbolic Logic 3.2-3.3	4/29 Symbolic Logic 3.4-3.5 REVIEW for FINAL EXAM
Fin.*	FINAL EXAM Monday, April 29, beginning at 10:00am	

Homework will be out of the book or on handouts or both, as listed on the schedule above. Homework from the book will be done using the online system **MyMathLab**. I will collect most, but not all, handouts. Expect them to be due one week after they are assigned; always have them with you and ready to be turned in by that date unless otherwise noted.

*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.