

**Tentative Schedule for Math 101 Spring 2019 – Tuesday/Thursday Class – Section 4940**

Week	Tuesday	Thursday
1	1/15 Introduction to Graph Theory 13.1 and Handouts	1/17 Eulerian Circuits and Trails 13.2 and Handouts
2	1/22 Hamiltonian Paths, Circuits & Complete Graphs 13.3 and Handouts	1/24 Networks and Trees 13.4 and Handouts <b>(Last day to choose a mathematician)</b>
3	1/29 Angles and Tessellations Handouts	1/31 Dimension: 4D (w/ movie) Handouts (inc. movie handout)
4	2/5 Fractal Geometry Intro (Dim. & Counting) Handouts	2/7 Fractal Perimeter & Area Handouts
5	2/12 Hunting the Hidden Dimension <b>REVIEW for TEST 1</b>	2/14 <b>TEST 1</b> Graph Theory and Geometry
6	2/19 Non-Linear Fractals & Fractal Overview Handouts	2/21 Number Theory (Systems) 4.1-4.2 and Handouts <b>DUE: Mathematician Project Handout (page 1)</b>
7	2/26 Number Theory: Counting & Conversions 4.3 and Handout	2/28 Number Theory: Computation 4.4
8	3/5 Prime Numbers 5.1 and Handout	3/7 Logical Reasoning and Problem Solving 1.1 and Handouts
9	3/12 Fibonacci Numbers 5.8 <b>REVIEW for TEST 2</b>	3/14 <b>TEST 2</b> Fractal Geometry and Number Theory
10	3/19 Set Theory Foundations 2.1 & 2.2 (WARNING – lots of problems in HW!) <i>(Continue working on Problem Solving handouts)</i>	3/21 Venn Diagrams 2.3 <b>DUE: Mathematician Project Handout (outline)</b>
11	3/26 Equality and Application of Sets 2.4-2.5 <i>(Continue working on Problem Solving handouts)</i>	3/28 Infinite Sets 2.6 and Handouts <i>(Continue working on Problem Solving handouts)</i>
12	4/2 <b>HISTORY PRESENTATIONS</b> <i>(Continue working on Problem Solving handouts)</i>	4/4 <b>HISTORY PRESENTATIONS</b> <i>(Continue working on Problem Solving handouts)</i>
13	4/9 <b>HISTORY PRESENTATIONS</b> <i>(Continue working on Problem Solving handouts)</i>	4/11 <b>HISTORY PRESENTATIONS</b> <i>(Continue working on Problem Solving handouts)</i>
14	4/16 Symbolic Logic 3.1	4/18 Symbolic Logic 3.2-3.3
15	4/23 Symbolic Logic 3.4-3.5	4/25 Catch up & <b>REVIEW for FINAL EXAM</b>
Fin.*	<b>FINAL EXAM</b> Tuesday, April 30, 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.