

Math 161 Winter 2019 Syllabus

Week	Date	Topics covered	Assessments
1	Mon 1/7	1.1 Intro: Thales + Pythagoras	
	Wed 1/9	1.2 The Axiomatic Method	
	Fri 1/11	1.3 Euclid's Axioms	
2	Mon 1/14	1.3 (cont)	
	Wed 1/16	2.1 Hilbert's Axioms	HW and Quiz 1 in Th Discussion
	Fri 1/18	2.1 (cont)	
3	Mon 1/21		MLK Day Holiday
	Wed 1/23	2.2 Measurement and Area	HW and Quiz 2 in Th Discussion
	Fri 1/25	2.3 Similar Triangles, 2.4 Circles	
4	Mon 1/28	3.1 Axes, 3.2 Vectors	
	Wed 1/30	3.3 Angles, 3.4 Complex Numbers	HW and Quiz 3 in Th Discussion
	Fri 2/1	3.4 (cont), 3.5 Birkhoff's Axioms	
5	Mon 2/4	Review	
	Wed 2/6		Midterm (usual class time)
	Fri 2/8	4 Euclidean Constructions	
6	Mon 2/11	(cont)	
	Wed 2/13	(cont), 5 Isometries	
	Fri 2/15	(cont)	
7	Mon 2/18		Presidents' Day Holiday
	Wed 2/20	6.1 Hyperbolic Geometry: History	HW and Quiz 4 in Th Discussion
	Fri 2/22	6.2 Poincaré Disk Model	
8	Mon 2/25	6.3 Parallels and Perpendiculars	
	Wed 2/27	6.4 Omega Triangles	HW and Quiz 5 in Th Discussion
	Fri 3/1	6.5 Area	
9	Mon 3/4	6.6 Isometries	
	Wed 3/6	7.1 Fractals	HW and Quiz 6 in Th Discussion
	Fri 3/8	7.2 Self-similarity	
10	Mon 3/11	7.3 Contraction Mappings	
	Wed 3/13	7.4 Dimension revisited	
	Fri 3/15	Review	
11	Wed 3/20		Final Exam 1:30–3:30pm

This is a tentative plan and is subject to change. More detail will be filled in as we move through the term.