

Math 300 – Geometry
Block 2 2004
Tentative Syllabus

Monday 10/4	Introduction to Euclidean geometry	Sections 2.1, 2.2
Tuesday 10/5	Axiomatic systems and finite geometries	Sections 1.1-1.3
Wednesday 10/6	Hyperbolic geometry: Lines	Sections 2.3, 2.4, 2.8
Thursday 10/7	Hyperbolic geometry: Triangles and quadrilaterals	Sections 2.5-2.7
Friday 10/8	Elliptic geometry	Section 2.9
Monday 10/11	Euclidean plane transformations and symmetries	Sections 3.1-3.4
Tuesday 10/12	Analytic plane transformations and isometries	Sections 3.5-3.9
Wednesday 10/13	Wallpaper patterns and plane tilings	Sections 3.10, 3.11
Thursday 10/14	Affine geometry	Sections 3.12, 3.13
Friday 10/15	Euclidean space transformations and symmetries	Section 3.14
Monday 10/18	Axiomatic projective geometry	Sections 4.1-4.3
Tuesday 10/19	Transformations in projective geometry	Sections 4.5, 4.6
Wednesday 10/20	Analytic projective geometry	Sections 4.7, 4.8
Thursday 10/21	Collineations and correlations	Sections 4.10, 4.11
Friday 10/22	Subgeometries	Section 4.12
Monday 10/25	catch-up	
Tuesday 10/26	catch-up	
Wednesday 10/27	Final exam	