

Tentative Syllabus
Math 251 – Number Theory
Block 7 2004

Monday 3/22	Mathematical reasoning and typesetting	Chapter 0, Section 1.1
Tuesday 3/23	Logical statements	Sections 1.2-1.8
Wednesday 3/24	Proof Techniques	Sections 1.9-1.15
Thursday 3/25	Sets	Sections 2.1-2.3
Friday 3/26	Set operations	Sections 2.4-2.5
Monday 3/29	Induction	Sections 3.1-3.3
Tuesday 3/30	Relations	Sections 4.1, 4.3
Wednesday 3/31	Ordered Sets	Section 4.2
Thursday 4/1	Functions	Sections 5.1, 5.2
Friday 4/2	Binary Operations	Section 5.6
Monday 4/5	Integers and divisibility	Sections 6.1, 6.2
Tuesday 4/6	Prime factorization and the greatest common divisor	Sections 6.3-6.5
Wednesday 4/7	Euler's ϕ function	
Thursday 4/8	Modular arithmetic	Sections 6.6, 6.7
Friday 4/9	Solving linear congruences	
Monday 4/12	Solving linear congruences, day 2	
Tuesday 4/13	Modular exponentiation	
Wednesday 4/14	To be determined	