**Course Overview Math 345** 

Jim Fowler Autumn 2010

Week 1		Thursday, October 28, 2010	Fibonacci numbers (§5)
Wednesday, September 22, 2010		Week 7	
Thursday, September 23, 2010	Examples with real numbers ( $\S 2$ )		
\\\\  - 0		Monday, November 1, 2010	Sums of squares (§6)
Week 2	T (00)	Tuesday, November 2, 2010	Strong induction (§7)
Monday, September 27, 2010	Tautologies (§2)	Wednesday, November 3, 2010	Sets (§10)
Tuesday, September 28, 2010	Solving equations (§2)	Thursday, November 4, 2010	Intersections, unions, subsets (§10)
Wednesday, September 29, 2010	Contradiction, contrapositives (§2)	<b>NA</b> / 1 O	
Thursday, September 30, 2010	Quantifiers (§3)	Week 8	
		Monday, November 8, 2010	Algebra of set operations (§10)
Week 3		Tuesday, November 9, 2010	Some practice problems (§10)
Monday, October 4, 2010	Bound variables (§3)	Wednesday, November 10, 2010	Midterm 2
Tuesday, October 5, 2010	Nested quantifiers (§3)	Thursday, November 11, 2010	Veteran's Day
Wednesday, October 6, 2010	Number theory (§4)		
Thursday, October 7, 2010	Parity (§4)	Week 9	
		Monday, November 15, 2010	Functions (§11)
Week 4		Tuesday, November 16, 2010	Surjections, injections (§11)
Monday, October 11, 2010	Irrationality (§4)	Wednesday, November 17, 2010	Inverse functions (§11)
Tuesday, October 12, 2010	Divisibility (§4)	Thursday, November 18, 2010	Families of sets (§12)
Wednesday, October 13, 2010	Congruences (§4)	•	(0 /
Thursday, October 14, 2010	Prime numbers (§4)	Week 10	
, , ,	(0)	Monday, November 22, 2010	Counting (§13)
Week 5		Tuesday, November 23, 2010	Combinatorics (§14)
Monday, October 18, 2010	Polynomials (§4)	Wednesday, November 24, 2010	Infinite sets (§15)
Tuesday, October 19, 2010	Midterm 1	Thursday, November 25, 2010	Thanksqivinq
Wednesday, October 20, 2010	Induction (§5)	Friday, November 26, 2010	Columbus Day
Thursday, October 21, 2010	Induction and divisibility (§5)		
Thatsday, October 21, 2010	induction and divisionity (30)	Week 11	
Week 6		Monday, November 29, 2010	Bijections (§15)
Monday, October 25, 2010	Pascal's triangle (§5)	Tuesday, November 30, 2010	Diagonalization argument (§15)
Tuesday, October 26, 2010	Binomial theorem (§5)	Wednesday, December 1, 2010	Countability (§16)
Wednesday, October 27, 2010	More on binomial theorem (§5)	Thursday, December 2, 2010	Continuum hypothesis (§16)
Treameday, October 21, 2010	more on omornia moorem (30)	That Sady, December 2, 2010	Committee hypothesis (310)