

Mth442/542 Spring Term 2008

	Monday	Tuesday	Wednesday	Thursday	Friday
Mar/Apr Week 1	Overview 31	1	Introductory material 2	3	Linear case, One Variable Case 4
Apr Week 2	term orders 7 <i>HW 1 due</i>	8	Remainders 9	10	Division Algorithm 11 <i>Last day to drop</i>
Apr Week 3	Monomial ideals 14 <i>HW 2 due</i>	15	Dickson's Lemma 16	17	Proof 18
Apr Week 4	Gröbner bases 21	22	S-polynomials 23	24	Review 25 <i>HW 3 due</i>
Apr/May Week 5	Midterm exam 28	29	Buchberger's Algorithm 30	1	Reduced Gröbner bases 2
May Week 6	Wk Nullstellensatz 5	6	More on proof of B's algorithm 7 <i>HW 4 due</i>	8	Wk Nullstellensatz, graph coloring 9
May Week 7	elimination 12	13	more elimination 14 <i>HW 5 due</i>	15	poly. map 16 <i>Withdrawal date</i>
May Week 8	proofs for poly map 19	20	Min'l poly's 21 <i>HW 6 due</i>	22	int. programming 23
May Week 9	no class 26	27	Module Gröbner 28	29	30 2.2.7 and 2.2.8, fglm revisited Finite fields
June Week 10 Dead Week	linear, cyclic codes 2 <i>HW 7 due</i>	3	Key Equation and Gröbner bases 4	5	decoding 6
June Finals Week	9 Take-Home Final due at 2 PM	10	11	12	13