Abstract Algebra, Spring 2014, Tentative Course Schedule

Mon	Wed	Fri
Feb 3, 2014	Feb 5, 2014	Feb 7, 2014
Intro to class	1.1 Ancient Mathematics	1.2 Diophantus-I
Feb 10, 2014	Feb 12, 2014	Feb 14, 2014
1.2 Diophantus-II	1.3 Euclid-I	1.3 Euclid-II **Quiz 1 (Divisibility)** Last day to drop w/o W
Feb 17, 2014	Feb 19, 2014	Feb 21, 2014
1.4 Nine Fundamental Properties	2.1 Induction	2.1 Unique Factorization
Feb 24, 2014	Feb 26, 2014	Feb 28, 2014
2.2 Binomial Theorem	**Exam 1**	3.1 Classical Formulas
Mar 3, 2014	Mar 5, 2014	Mar 7, 2014
3.2 Complex Numbers-I	3.2 Complex Numbers-I	3.3 Roots and Powers
Mar 10, 2014	Mar 12, 2014	Mar 14, 2014
4.1 Congruence	4.2 Public Key Codes	4.3 Commutative Rings-I
Mar 17, 2014	Mar 19, 2014	Mar 21, 2014
4.3 Commutative Rings-II	5.1 Domains and Fraction Fields	5.2 Polynomials
Mar 24, 2014	Mar 26, 2014	Mar 28, 2014
Spring Break	Spring Break	Spring Break
Mar 31, 2014	Apr 2, 2014	Apr 4, 2014
5.3 Homomorphisms-I	5.3 Homomorphisms-II	**Exam 2**
Apr 7, 2014	Apr 9, 2014	Apr 11, 2014
6.1 Parallels to \Z -I	6.1 Parallels to \Z-II	6.2 Irreducibility
Apr 14, 2014	Apr 16, 2014	Apr 18, 2014
7.1 Quotient Rings	7.2 Field Theory-I	Good Friday
Apr 21, 2014	Apr 23, 2014	Apr 25, 2014
Easter Monday	7.2 Field Theory-II Last day to withdraw	7.2 Field Theory-II
Apr 28, 2014	Apr 30, 2014	May 2, 2014
8.1 Arithmetic in Gaussian and Eisenstein Integers	8.2 Primes Upstairs and Primes Downstairs	8.3 Fermat's Last Theorem for Exponent 3
May 5, 2014	May 7, 2014	May 9, 2014
8.4 Approaches to the General Case-I	8.4 Approaches to the General Case-II	**Exam 3**
May 12, 2014	May 14, 2014	May 16, 2014
9.1 Abel and Gauss 9.2 Solvability by Radicals	9.3 Symmetry	9.4 Groups Last day of classes

Final Exam: Wednesday, May 21, 8am - 10am