

13. Galois Theory: the Main Theorem, cubic equations, symmetric functions, primitive elements, proof of the Main Theorem, quartic equations, Kummer extensions, cyclotomic extensions.

VI. ADDITIONAL INFORMATION:

Lectures, homework, possibly lab assignments

VII. POSSIBLE TEXTS AND REFERENCES:

Abstract Algebra, Dummit and Foote, 3rd edition

Algebra by Michael Artin, Prentice Hall, Englewood Cliffs

A First Course in Abstract Algebra (2nd Edition) by Joseph J. Rotman, Prentice Hall, 2nd edition (February 28, 2000)

Advanced Modern Algebra by Joseph J. Rotman, Publisher: Prentice Hall, 1st edition (April 2002)

VIII. ANY TECHNOLOGY TH