

Math 4320, Introduction to Algebra

Syllabus

Instructor: Seonhee Lim, MT 593, 255-7113, slim@math.cornell.edu

TA: Alexander Landraitis, e-mail: acl73@cornell.edu

Time and place : MWF 13:25-14:15, MLT 224

Course webpage: <http://www.math.cornell.edu/~slim/algebra.html>

Textbook: J. Rotman, *A First Course in Abstract Algebra with Applications*, 3rd edition

Course Description: Introduction to abstract algebra and number theory.

Topics include group theory, group actions, rings, commutative rings, polynomial rings, factorization, fields, and quotient fields, finite fields, Galois theory

Exams: There will be two prelim exams, one in class (at the end of Feb.) and the other take-home (early April). The final exam will be scheduled by the end of January. No calculators are allowed.

Grading: homework 20%, prelim exams 25% each, final exam 30%

homework : will be posted on the website, and will be due every Monday.