

MATH 601: ABSTRACT ALGEBRA
L. WASHINGTON

Time: MWF 10:00-10:50am

Room: Math 0102

Web page: www.math.umd.edu/~lcw/Math601.html

Book: *Advanced Modern Algebra* by Joseph Rotman

Main Topics:

Modules, Homological algebra, Categories (Ch. 7, parts of Ch. 10)

Tensor products, Exterior algebras (in Ch. 8 and Ch. 9)

Field theory and Galois theory (Ch. 4)

Representations of finite groups (in Ch. 8)

Grading: 2 Midterms (25% each), 1 Final (40%), Homework (10%)

The first midterm will be approximately the second week in March. The second midterm will probably be around the first week in May. The final exam is scheduled for Wednesday, May 19, 8:00am-10:00am.

Homework will be assigned approximately once a week. Assignments will be listed on the web page.

Instructor Information:

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Office Hours: Monday 11-12, Friday 12-1