



Abstract Algebra

MAS 4301-075A
Spring 2015

Time: MWF period 4
Place: Little 217
Phone: 352-294-2339
Office: 438 Little Hall
Email: avince@ufl.edu

Textbook: Contemporary Abstract Algebra by J. Gallian (8th edition)

Office Hours: Monday, Wednesday, Friday 11:40- 12:40
(or by appointment)

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Homework

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Topics

Introduction
Symmetry
A little number theory
Order of a differential equation
Equivalence relations

Groups
Examples
Subgroups
Permutation groups
Cyclic groups
Isomorphism
Cosets and Lagrange's Theorem
Direct product and the Fundamental Theorem of Abelian Groups
Normal subgroups and factor groups
Homomorphism
The class formula
Sylow's theorems
Finite simple groups

Rings
Examples
Basic properties

Messages

Welcome to Abstract Algebra

Free tutoring at the Teaching Center, SW Broward Hall. Check www.teachingcenter.ufl.edu for the time schedule.

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

The course will be conducted in accordance with the University honor code, [academic honesty policy](#), and policy regarding the use of copyrighted material.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

Information on current UF grading policies for assigning grade points may be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

Grades

three exams 30%
homework 10%

