

Course Syllabus

CSU Math 366: Introduction to Abstract Algebra, Spring 2019

Instructor: Henry Adams

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Office: Weber 125

Lectures: MWF 10:00-10:50am in Weber 223

Class Webpage: <http://www.math.colostate.edu/~adams/teaching/math366spr2019>

Textbook: *Contemporary Abstract Algebra* by Joseph Gallian. The book has selected answers in the back, which is great! See <http://www.d.umn.edu/~jgallian> for online resources associated with our book.

Course Overview: This course is a rigorous and proof-based introduction to abstract algebra. Topics covered include sets, integers, polynomials, real and complex numbers, groups, integral domains, and fields.

Prerequisites: The official prerequisite is Math 161 (Calculus for Physical Scientists) or Math 271 (Applied Mathematics for Chemists I). The unofficial prerequisite is a certain level of mathematical maturity, since I intend to target this Math 366 class at a higher level than most Math 301 or Math 369 classes.

Requirements: Your final grade will be based on the following components:

30% midterm 1

30% midterm 2

25% homework

10% final take-home assignment

5% attendance and participation

Exams: Important dates are:

- Midterm 1, **Wednesday, March 13** during class,
- Midterm 2, **Friday, May 3** during class, and
- Final take-home assignment due **Thursday, May 16**.

Confirm you can attend these in-class exams before enrolling. On exams you will only be able to use your brain and a pen or pencil — no notes, books, or electronic devices. The exams will be comprehensive.

Homework: The clarity of your solutions will count as much as their correctness, and all steps must be explained. Working in groups on homework and to study is encouraged! However, your submitted homework must be written up individually, in your own words, and without consulting anyone else's written solutions or a solution manual of any form.

Homework is due at the beginning of class. Late homework will not be accepted, though to accommodate illnesses and other unexpected events the lowest homework score will be dropped. It is in your best interest to inform me as soon as reasonably possible when such a situation arises. [CSU policies apply](#) for university-sanctioned activities, for which you should give me plenty of advanced notice.

Academic Policies and Integrity: Students are expected to adhere to the CSU Academic Integrity Policy as found on the Students' Responsibilities page of the [CSU General Catalog](#) and in the [Student Conduct Code](#). For further policies which apply to all math department classes, please see <http://www.math.colostate.edu/programs/undergraduate/policies.shtml>.

Colorado State University is committed to providing reasonable accommodations for all persons with disabilities. Students with disabilities who need accommodations should first contact the [Student Disability Center](#) in order to request accommodations for this class.