

Title: Abstract Algebra

Coordinates: Lectures meet Tues./Thurs. 6:00–7:50 (§ 1 #10479) in WA LM02. (NEW LOCATION!)

Instructor: Tom Roby; WA 783, 885-2691, trobby@seki.mcs.csu Hayward.edu .

Office Hours: Tues. 4:00–5:00, Thu. 4:00–6:00, and by appointment. I encourage you to come to scheduled office hours if possible. I'm happy to answer questions by email, which I check frequently.

Text: J. Gallian: *Contemporary Abstract Algebra, 4th Ed.* (Houghton-Mifflin). I hope you will enjoy this text, which contains many interesting quotes, some history, and applications that could be used in a high-school classroom.

Web resource: <http://www.mcs.csu Hayward.edu/~trobby/3121> is my Math 3121 home-page. It will include a copy of the syllabus and list of assignments.

Grading: There will be weekly homework assignments, weekly quizzes, one midterm exam given in class and a final. Late homework will not be accepted, and no makeup exams will be given. If you have to miss an exam for some reason, please see me beforehand as soon as possible. The breakdown of points is:

Homework	Quizzes	Midterm	Final
30%	20%	20%	30%

Midterm Exam: Thursday, October 29. Please rearrange your schedule now if necessary.

Final Exam: Thur. December 10, 6:00–7:50 p.m.

Content: The goal is to cover the first 11 chapters of the text, which comprise an introduction to group theory. We may omit some applications for lack of time, but you are encouraged to read all eleven chapters. The next course in the sequence, Math 3122, will start with ring theory, which Gallian covers in later chapters.

The only way to learn mathematics is by doing it! Complete each assignment to the best of your ability, and get help when you are confused. Come to class prepared with questions, having read the text with pencil and paper at hand. Don't hesitate to seek help from other students. Sometimes the point of view of someone who has just figured something out can be the most helpful.