GALOIS THEORY
MATH 121 - Winter 2023

Lecture: *MWF 9:30am-10:20am; Building 200, Rm 205*
Textbook: Dummit and Foote, *Abstract Algebra, 3rd Edition, (primarily chapters 13 and 14)*

Instructor: *Andrew Hardt (Office: Building 380, Rm 382C; Email: hardt@stanford.edu)*
Course Assistant: *Yuefeng Song (Office: Building 380, Rm 381L; Email: songyf@stanford.edu)*
Office Hours: *MWF 10:30am-11:30am (Hardt); M 1:00pm-3:00pm, TuTh 9:00am-10:00am (Song)*

Course Logistics

Course website: *https://andyhardt.github.io/121_galois_theory/course_page.html*
Canvas: *https://canvas.stanford.edu/courses/166031*
Gradescope: *(access via Canvas page)*

The course website will be our primary resource for course information. Homework assignments and lecture notes will be posted there, as will updates to the syllabus and other information. You are responsible for all information and announcements posted there, as well as any made in class.

Homework:
Homework assignments will be weekly, due at **noon on Tuesdays via Gradescope**.

- Assignments must be neat and legible, and in correct mathematical style. Most problems require proofs, and your submissions are expected to be clear and well-justified. Using LaTeX is recommended, but not required.
- Each student's lowest homework grade will be dropped.
- **Lateness policy:** Each student may have up to two "misses", homework assignments submitted less than 24 hours after the deadline that are still eligible for full credit. Any homework submitted more than 24 hours past the deadline (even by one minute!) will receive no credit, as will any late assignment after the first two.

Exams:
There will be one in-class midterm exam, plus a final exam. The midterm exam will be during class in the usual room, and the final exam will be **Tuesday, March 23rd – 8:30AM – 11:30AM** (location TBD).

- No materials or aids are permitted during exams, including notes, reference sheets, textbooks, calculators, internet and/or technology use, or any mathematical-related interaction with any entity other than the instructor, course assistant, or other designated proctor.
- Students are expected to uphold the honor code at all times.
- Except in the case of emergency, students with valid exam conflicts must inform the instructor at least two weeks before the exam. If an emergency does occur, students must inform the instructor as soon as reasonably possible.
- Students with documented disabilities must provide an OAE accommodation letter, dated in the current quarter, to the instructor at least two weeks prior to an exam in order for the instructor to have time to arrange accommodations.

Project:
There will be an individual project during the second half of the course. The project will be a mixture of theoretical and computational work. Details will be given at the start of the project.

Grading

Course grades will be calculated using the following weights. Letter grades will be no stricter than A-: 90%, B-: 80%, C-: 70%, D-: 60%, but may be more lenient. Letter grades are only calculated for the entire quarter; there are no letter grades for individual assignments.

Assignment	**Percent of Total**
Homework	30%
Midterm Exam	20%
Project	10%
Final Exam	40%
Total	100%