

Math 6370-001 – Algebraic Number Theory, Fall 2021
Tu/Th, 12:25-1:45 (In Person)

Instructor: Sean Howe

Website: math.utah.edu/~howe/2021-fall/6370

Contact: Questions and concerns should be communicated in via email to sean.howe@utah.edu. I will usually, but not always, respond to emails before 11:59pm the next business day. Office hours available on Zoom or in-person by appointment.

Format: Classes will meet as discussion/problem sessions. There will be one recorded lecture + problem sheet each week – they will be posted by Saturday evening on the class website; please watch the lecture before class on Tuesday. It is optional but probably beneficial to also look at some problems before class!

Text: Milne – Algebraic Number Theory (online notes).

Attendance and punctuality: Attendance of the discussion/problem sessions is optional, however, registered students missing more than one of the in-person class session in a two-week period must contact the instructor within one week of the second absence to discuss.

Course materials: Recorded lectures and notes will be made available through the course website. *All materials for this course are copyrighted; do not distribute course resources without instructor permission.*

Course description: Algebraic Number Theory.

Prerequisites: Math 6310/20 will be helpful; at a minimum, students without these classes or equivalents should be concurrently enrolled in 6310.

Homework: Undergraduates registered for the class are required to submit one written up solution per week; it should be submitted by Friday of the following week via email (scanned or latex, but it must be legible). It will be graded for completion only.

Exams: None

Grading:

A: 90% complete or excused attendance (+ homework submission for undergraduates).

B: <90% complete or excused attendance.

Academic Integrity: All university policies regarding ethics and honorable behavior apply to this course. Students are encouraged to review the Student Code for the University of Utah:
<https://regulations.utah.edu/academics/6-400.php>

COVID-19 Considerations:

Students must self-report if they test positive for COVID-19 via coronavirus.utah.edu. The university encourages you to get vaccinated if possible and to follow CDC guidelines for mask usage.

The Americans with Disabilities Act: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability & Access, 162 Olpin Union Building, 801-581-5020. CDA will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

Addressing Sexual Misconduct: Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability,

veteran's status or genetic information. If you or someone you know has been harassed or assaulted on the basis of your sex, including sexual orientation or gender identity/expression, you are encouraged to report it to the University's Title IX Coordinator; Director, Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or to the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to police, contact the Department of Public Safety, 801-585-2677(COPS).

Campus Safety: The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu