MATHEMATICS 4400
Math 4400 Intro To Number Theory
Fall semester 2022

Text: Numbers, Groups and Cryptography, by G. Savin
When/where: M, W, F 10.45-11.35 A.M. LCB 225
instructor: Christopher Hacon
office: JWB 301
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office hours: M 9:45-10:35, W 9:45-10:35, F 12:40-1:20.

Course outline:
An overview of algebraic number theory, covering factorization and primes, modular arithmetic, quadratic residues, continued fractions, quadratic forms, and diophantine equations
Grading: There will be weekly quizzes, and a comprehensive final examination. Quizzes will account for 60% of your grade (you will be allowed to drop your 3 lowest scores, however there will be no make up tests), and the final exam will make up the remaining 40%.

Labor day Holiday Sept 5; Fall break Sun-Sun, October 9-16; Thanksgiving break Thurs.-Fri., Nov. 24-27
Final: Thursday, Dec. 15, 2022 10:30 am - 12:30 pm

Homepage: You may refer to the course homepage for further information and future handouts.
 http://www.math.utah.edu/~ hacon/4400.html

ADA statement: The American with Disabilities Act requires that reasonable accommodations be provided for students with physical, sensory, cognitive, systemic, learning, and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations for the course.