## MAT415: Abstract Algebra

A theoretical development of basic algebraic structures, with an emphasis on group theory. Topics include cyclic groups, Lagrange's Theorem, quotient groups, and homomorphisms. Rings, integral domains, and fields are introduced. **Credit Hour(s):** 3

Prerequisites: MAT225 and 301. Department: Mathematics, Physics, and Computer Science Semester Offered:

Fall (even)

2023-24 Catalog