

MATH-214: Number Theory I

This course covers standard topics such as Prime Numbers; the Fundamental Theorem of Arithmetic; Euclidean Algorithm; the Diophantine Equations; Congruence Equations and their Applications (e.g. Fermat's Little Theorem); Multiplicative Functions (e.g. Euler's Phi Function); Application to Encryption and Decryption of Text; The Law of Quadratic Reciprocity.

Credits: 3

Program: Mathematics