

## MA 250: Introduction to Mathematical Reasoning

An introduction to the roles of inductive and deductive reasoning in mathematical proof and problem solving and to themes common to all branches of higher mathematics. Topics will include set theory, symbolic logic, and elementary combinatorics, and may include topics in elementary number theory or other elements of discrete mathematics. Special emphasis is given to improving the students ability to construct, explain, and justify mathematical arguments.

**Hours:** 3

**Prerequisites:**

MA 190.

**Program:** Mathematics

**Semester Offered:**

Fall