

## **MAT 3100 - Introduction to Mathematical Proof (4)**

An introduction to upper division mathematics, the reading and writing of proofs, and the fundamentals of abstract mathematics. Methods of proof include direct and indirect proofs and proof by induction. Propositional logic and quantifiers. Mathematical topics to be covered include integers, rational and real numbers, sets, relations, functions, and cardinality.

**Prerequisite(s):** MAT 116 or MAT 1150.

**Component(s):** Lecture

**Grading Basis:** Graded Only

**Repeat for Credit:** May be taken only once