Nebraska Wesleyan University

MATH 2200 Foundations of Modern Mathematics

Catalog

2024-2025

Course Description

A course on the essential techniques of mathematical proof, such as case analysis, contradiction, and induction. Proofs will be written in the context of mathematical foundations (logic, sets, functions, etc.). Emphasis will be placed on developing the ability to write clear and precise arguments, which is useful for students in any major.

Prerequisite(s): Grade of "C" or better in MATH 1600 Calculus I or permission of the instructor.

(Normally offered each spring semester.)

Archway Curriculum: Foundational Literacies: Mathematical Problem Solving
Archway Curriculum: Essential Connections: Writing Instructive

Course Hours

3 hours

Departments

1. Mathematics and Computer Science