

47001 Mathematical Logic and Set Theory (3)

Knowledge

The students learn the axiomatic set theory, relations development of real numbers cardinal numbers axiom of choice.

Comprehension

The students will be able to understand one of the most abstract notions of mathematics, the axiomatic set theory.

Application

The students will be able to give examples of proofs where the axiom of choice has been used.

Analysis

N/A

Synthesis

N/A

Evaluation

Students will be able to critique their own proofs.

Class Activities

Discussion of theorems and problems.

Out of class Activities

Weekly homework assignments.