

Tutorial in Logical Reasoning for Sciences

20 hours

Instructors

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Course description

This course presents an introduction to logic and formal reasoning, so as to acquaint the students with some of the more common techniques of formal proof and argument.

Topics

- Introduction to set theory
- Propositional Logic, First-order Logic and fallacies
- Proof techniques and the mathematical “language”

Textbook (optional)

Introduction to Logic, by Patrick Suppes

How to read and do proofs, by Daniel Solow