



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Didattica e metodologie laboratoriali per l'insegnamento dell'analisi

2324-A28-FIA28001

Aims

The course aims to identify and analyze (from an educational and disciplinary point of view) some founding nuclei of the analysis being taught at the lower secondary school. Topics that involve teaching based on examples and motivated by questions will be covered.

Contents

- Cartesian plane
- Pythagorean theorem
- Geometric progressions

Detailed program

The Cartesian plane as a mathematical model.

The Pythagorean Theorem as a puzzle composition

Interpretation of some formulas: distance between two points, linear functions and the 2^x function.

Geometric progressions and their applications to the description of problems of interest

social issues such as pandemics.

Prerequisites

Teaching form

Textbook and teaching resource

Part of the teaching material will be created by the students themselves during the lessons. Further material will be made available on the course's e-learning platform

Semester

Assessment method

A minimum attendance percentage of 70 percent is required to be admitted to the final exam

Office hours

by appointment

Sustainable Development Goals

QUALITY EDUCATION
