



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Didattica della Matematica

2021-1-F4001Q038

Aims

Contents

Introduction to the methods, the ideas, the historical development and the theoretical frameworks useful in teaching secondary school mathematics. This course will be delivered only in Italian language. The course is held in Italian language. **Please refer to the page of the Italian part of the document for further details.**

Detailed program

Prerequisites

Teaching form

Until the current health emergency is exhausted, the lessons of this course will take place completely remotely, through synchronous and / or asynchronous videotaped lessons, which will be available to students on the e-learning platform. In order to facilitate student involvement, remote lessons will be integrated by scheduling some events that may take place remotely in synchronous videoconference, or in presence, with students divided into groups, where appropriate.

Textbook and teaching resource

DIDATTICA DELLA MATEMATICA, di Roberto Natalini, Anna Baccaglini-Frank, Pietro Di Martino, Giuseppe Rosolini (Mondadori 2018).

LEARNING TO THINK MATHEMATICALLY: PROBLEM SOLVING, METACOGNITION, AND SENSE MAKING IN MATHEMATICS di Alan H. Schoenfeld in Handbook of research on mathematics teaching and learning (A Project of the National Council of Teachers of Mathematics, 1992) (Reprint <https://journals.sagepub.com/doi/abs/10.1177/002205741619600202>).

Further reading: MATHEMATICAL DISCOVERY di George Polya (1962).

Semester

2S

Assessment method

[see the page in Italian language]

Until the current medical emergency is exhausted, the oral exam will take place remotely through the WebEx platform, with access made available on the e-learning page of the course.

Office hours
