



Direzione Ricerca,
Innovazione e
Internazionalizzazione

**UNIVERSITÀ
DI TORINO**

ID

VP_147_MAT

Visiting Professor Program Academic Year 2025/2026

TEACHING COMMITMENT: 12 hours

COURSE TITLE

Didactics of Mathematics 1

TEACHING PERIOD

II semester

SCIENTIFIC AREA

Complementary Mathematics

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

Theoretical frameworks to approach mathematics learning and teaching with technologies.
Social creativity in mathematics education to design learning activities at secondary school grades.
Use of emerging technologies to teach mathematics at secondary school grades.
Communities of educators at work to foster mathematics education with technologies.
Methodologies of investigation in mathematics educational processes.

LEARNING OBJECTIVES

Knowing theoretical frameworks and methodologies of investigation in mathematics educational processes
Understanding the use of technologies to design activities for secondary school students
Applying social creativity to design in mathematics education
Analysing data from school processes of mathematics education with technologies sign learning activities at secondary school grades

OTHER ACTIVITIES BESIDE THE COURSE

VISITING PROFESSOR PROFILE

The Visiting Professor has (in the field of Mathematics education and in relation to the course of Didactics of Mathematics 1):

- to be inserted in the most important research debates, theories, methodologies at international level;
- to have recent relevant publications in the field of mathematics education with the use of technologies;
- to participate to the most relevant international congresses with leader roles (plenarist, leader of groups, chair);
- to be in charge of relevant international research projects, especially with the involvement of technologies and emerging technologies;
- to know the institutional context in different countries.

CONTACT REFERENT

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