Visiting Professor Program
Academic year 2020/2021

DEPARTMENT OF MATHEMATICS "GIUSEPPE PEANO"

TEACHING COMMITMENT: 16 hours

COURSE TITLE
Didactics of Mathematics 1

TEACHING PERIOD
2nd term

SCIENTIFIC AREA
Mathematics education

LANGUAGE USED TO TEACH
English/Italian

COURSE SUMMARY


Italian institutional frames and projects: national curriculum, national assessment (INVALSI), OCSE-PISA, Matematica 2001 and 2003, DIFIMA, M@t.abel, EdUmatics.
LEARNING OBJECTIVES
Knowing the main theoretical frameworks for research in mathematics education.
Knowing and understanding the main issues of teaching and learning.
Analyzing problematic situations in the light of the educational research theories.
Analyzing cognitive processes of students in mathematics activity.
Applying educational research methodologies.
Designing activities and educational courses for school even with the use of technologies.

TUTORSHIP ACTIVITIES (IF APPLICABLE)

LAB ACTIVITIES (IF APPLICABLE)

OTHER ACTIVITIES (IF APPLICABLE)

VISITING PROFESSOR PROFILE DESCRIPTION
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;
- to participate to the most relevant international congresses with leader roles (plenarist, leader of groups, chair);
- to be in charge of research projects;
- to know school context in different countries.

CONTACT PERSON AT THE DEPARTMENT
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