

Syllabus

Course Description

Course Title	Didactics of Mathematics
Course Code	82042
Course Title Additional	
Scientific-Disciplinary Sector	MATH-01/B
Language	Italian
Degree Course	University course for initial training of secondary school teachers in the Italian language - 60CP
Other Degree Courses (Loaned)	
Lecturers	Prof. Dr. Giorgio Bolondi, Giorgio.Bolondi@unibz.it https://www.unibz.it/en/faculties/education/academic-staff/person/34597
Teaching Assistant	
Semester	Summer school
Course Year/s	1
CP	7
Teaching Hours	42
Lab Hours	0
Individual Study Hours	133
Planned Office Hours	0
Contents Summary	The course consists of lectures and exercises on the most important constructs of mathematics education, with examples and case discussions.
Course Topics	Mathematisation cycle, didactic contract, sociomathematical norms, learning difficulties, inclusion in the mathematics class, curriculum design
Keywords	laboratory of mathematics
Recommended Prerequisites	
Propaedeutic Courses	

Teaching Format	In person active teaching
Mandatory Attendance	In accordance with the regulation
Specific Educational Objectives and Learning Outcomes	<p>The aim of the course is to provide the theoretical and operational tools to design mathematics teaching and learning pathways and activities.</p> <p>Disciplinary skills: Knowledge and understanding of course content Ability to use theoretical concepts to interpret classroom phenomena</p> <p>Transversal/soft skills: Autonomy in the application of course content, communication and teaching skills in mathematics</p>
Specific Educational Objectives and Learning Outcomes (additional info.)	
Assessment	Colloquium
Evaluation Criteria	Understanding of theoretical concepts, and ability to interpret real-life classroom situations
Required Readings	Bruno D'Amore e Silvia Sbaragli, Principi di base di Didattica della Matematica, Bonomo editore 2023
Supplementary Readings	
Further Information	
Sustainable Development Goals (SDGs)	Quality education