Syllabus

Kursbeschreibung

Titel der Lehrveranstaltung	OFA "Logisch-mathematische Kompetenz"
Code der Lehrveranstaltung	500035
Zusätzlicher Titel der Lehrveranstaltung	
Wissenschaftlich-disziplinärer Bereich	NN
Sprache	Italienisch
Studiengang	Einstufiger Master in Bildungswissenschaften für den Primarbereich - Abteilung in italienischer Sprache
Andere Studiengänge (gem. Lehrveranstaltung)	
Dozenten/Dozentinnen	dr. Sara Bagossi, Sara.Bagossi@unibz.it https://www.unibz.it/en/faculties/education/academic-staff/person/50774
Wissensch. Mitarbeiter/Mitarbeiterin	
Semester	Erstes Semester
Studienjahr/e	1
KP	0
Vorlesungsstunden	16 ore: Bagossi Sara
Laboratoriumsstunden	0
Stunden für individuelles Studium	0
Vorgesehene Sprechzeiten	0
Inhaltsangabe	The course comprises four hour face-to-face workshops on logical-mathematical topics. Problem-solving activities in small groups, joint mathematical discussions and the use of analogue and digital teaching materials are planned.
Themen der	The course content includes the representation of natural

Lehrveranstaltung	numbers, an in-depth examination of the properties of arithmetic operations and an introduction to basic algebraic concepts. In addition, various strategies of mental arithmetic and written arithmetic are covered. The aim is to develop conscious, flexible and efficient calculation methods. Part of the activities is dedicated to the investigation of objects in plane and space as well as to the acquisition of basic geometric knowledge. In addition, mathematical problem-solving strategies are deepened, whereby different solutions are explored, compared with each other and reflected on together. Other content concerns the representation and interpretation of data as well as fundamental aspects of logic and mathematical argumentation. These are intended to support participants in formulating hypotheses, justifying their own decisions, and developing clear, conclusive mathematical thinking.
Stichwörter	Numbers, operations, written and mental computations, geometric figures, problem-solving, data representation, logic, argumentation.
Empfohlene Voraussetzungen	
Propädeutische Lehrveranstaltungen	
Unterrichtsform	In presence, laboratory.
Anwesenheitspflicht	
Spezifische Bildungsziele und erwartete Lernergebnisse	Educational objectives and learning outcomes:
Spezifisches Bildungsziel und erwartete Lernergebnisse (zusätzliche Informationen)	
Art der Prüfung	Written test.
Bewertungskriterien	Criteria for assessing the written test: correctness of procedures and results, completeness, clarity, and consistency of reasoning and arguments, appropriate use of language and mathematical symbolism.
Pflichtliteratur	Sabena, C., Ferri, F., Martignone, F., & Robotti, E. (2019). *Insegnare e apprendere matematica nella scuola dell'infanzia e*

	primaria (pp. 1-295). Mondadori università.
Weiterführende Literatur	
Weitere Informationen	
Ziele für nachhaltige Entwicklung (SDGs)	Hochwertige Bildung