Syllabus

Course Description

Course Title	Teaching of natural sciences (lab.)
Course Code	12557
Course Title Additional	
Scientific-Disciplinary Sector	BIOS-01/A
Language	Ladin
Degree Course	5 year master degree in Primary Education - Ladin section
Other Degree Courses (Loaned)	LM-85 bis Education German section LM-85 bis Education Italian section
Lecturers	Dott. Mag. Iacun Maria Prugger, IacunMaria.Prugger@unibz.it https://www.unibz.it/en/faculties/education/academic-staff/person/52415
Teaching Assistant	
Semester	Second semester
Course Year/s	All
CP	2
Teaching Hours	0
Lab Hours	20
Individual Study Hours	30
Planned Office Hours	6
Contents Summary	The following topics are covered in this course: - Didactics of subjects in minority languages/Ladinese - ELI (Educazion linguistica integreda) - The example of flora and fauna in Ladin
Course Topics	- Basic content of zoology, botany, and ecology, including links and relationships between these fields - Flora and fauna of the Alps (especially vertebrate animals, trees, and flowers) - Methods of learning through nature observation - Ecosystems in the Dolomites

	- Protection of nature and the environment in our region - Planning and carrying out excursions - Teaching methods for natural sciences in primary school
Keywords	Natural sciences, Ladin, Flora, Fauna, Teaching in minority language
Recommended Prerequisites	
Propaedeutic Courses	
Teaching Format	Lecture by the course instructor, examples and practical exercises, two excursions in the morning
Mandatory Attendance	In accordance with the regulation
Specific Educational Objectives and Learning Outcomes	Students who have completed this course... … are able to design and develop scienctific education for primary school in the Ladin language; … have knowledge of the basic principles of science didactics and can apply them in practice; … are familiar with the most important species of flora and fauna of the Alps, using Ladin terminology; … understand basic scientific concepts and know technical terms in Ladin related to natural sciences; … are able to plan concrete science lessons for primary school; … can explain scientific phenomena and aspects of the natural world in a simple and accessible way; … know how to organize and lead excursions, and how to reflect on them afterwards; … value experiential learning and recognize the importance of learning through direct contact with nature; … are able to develop teaching materials for natural science education. Knowledge and Understanding - Understand the basic principles of science education for primary school. - Have basic knowledge of local flora, fauna, ecosystems, and environmental issues. - Recognize different species of animals, plants, and landscapes. - Know key terms and concepts in Ladin related to nature and science.

	Applying Knowledge and Understanding - Plan and carry out simple teaching units on topics such as ecosystems, plants, animals, and environmental education. - Use outdoor activities (e.g. excursions) as part of science learning in primary school. - Connect theoretical knowledge with practical learning experiences in nature. Making Judgements - Reflect critically on science content used in primary education. - Assess the importance of protecting the environment and nature. - Evaluate and select suitable teaching materials for science lessons. Communication - Communicate scientific knowledge clearly and appropriately for young learners. - Explain ecological relationships and natural processes in an understandable way. - Use the Ladin language effectively to teach and discuss scientific topics in class. Learning Skills - Strengthen their skills in teaching natural sciences. - Learn specific Ladin vocabulary related to science and nature. - Develop observation and inquiry skills by exploring nature with all senses. - Show curiosity and openness towards new scientific findings.
Specific Educational Objectives and Learning Outcomes (additional info.)	
Assessment	Written examination at the end of the course
Evaluation Criteria	Written exam about the topics covered in the course and identify species of animals and plants. Active participation during the excursions.
Required Readings	Will be announced during the course

Supplementary Readings	Will be announced during the course
Further Information	
Sustainable Development Goals (SDGs)	Quality education, Life on land, Life below water, Responsible consumption and production