Syllabus

Course Description

Course Title	Foundations of Subject-Specific Pedagogy I: Science for Lower Secondary Education
Course Code	83015
Course Title Additional	
Scientific-Disciplinary Sector	BIOS-01/B
Language	German
Degree Course	University course for initial training of secondary school teachers in the German language - 60CP
Other Degree Courses (Loaned)	
Lecturers	Prof. Dr.Dr. Robert Philipp Wagensommer, RobertPhilipp.Wagensommer@unibz.it https://www.unibz.it/en/faculties/education/academic-staff/person/40174
Teaching Assistant	
Semester	All semesters
Course Year/s	1
CP	2
Teaching Hours	12
Lab Hours	0
Individual Study Hours	38
Planned Office Hours	0
Contents Summary	The module "Didactics of Natural Sciences" teaches basic subject-specific didactic skills for the planning, implementation and reflection of lessons in the subject of natural sciences. The aim is to enable students to professionally design competence-oriented teaching for different learning groups at secondary levels I and II.
Course Topics	In this module, students explore the fundamentals of subject-specific pedagogy in natural science and reflect on the interplay between subject-specific knowledge, curriculum guidelines and

	school practice. Building on this, they develop skills in competence-based lesson planning by analysing subject-specific competences, formulating learning objectives and structuring lesson plans. A further focus is on designing appropriate learning environments and implementing teaching methods. Students learn to apply different teaching formats and methods in a subject-specific manner and to design learning processes in an active, differentiated and effective way.
Keywords	Natural Sciences, Biology, Chemistry, Geology, Didactics
Recommended Prerequisites	
Propaedeutic Courses	
Teaching Format	Lectures with media support, invitation to oral reflection, critical case discussion, videos.
Mandatory Attendance	According to the regulations
Specific Educational Objectives and Learning Outcomes	Finally, the module deals with observing, giving feedback and evaluating learning processes and performance in the subject of natural sciences. Forms of feedback that promote learning as well as criteria for transparent and competence-oriented performance assessment are addressed.
Specific Educational Objectives and Learning Outcomes (additional info.)	
Assessment	Oral exam
Evaluation Criteria	Knowledge of the required content, logical structure, clarity and coherence of argumentation, formal and linguistic correctness.
Required Readings	None
Supplementary Readings	The slides that will be uploaded during the course via the digital learning platform set up for the course.
Further Information	
Sustainable Development Goals (SDGs)	Quality education