Freie Universität Bozen
Libera Università di Bolzano
Università Liedia de Bulsan

Syllabus
Course description

Course title	Plant biodiversity and environmental impact assessment
Course code	40401
Scientific sector	BIO/03
Degree	Bachelor in Enogastronomy in Mountain Areas
Semester	1st
Year	I
Academic year	2022/23
Credits	6
Modular	No

Total lecturing hours	38 [of which 2 Zerbe, 36 Bonari]
Total exercise hours	24 (14lab+10excursion) [24 Bonari + TA]
Attendance	
Prerequisites	
Course page	

Specific educational objectives	• area di base • BIO/03 • course is part of the study programme The course gives a general overview of scientific contents and its educational objectives are: - Acquisition of basic knowledge of biodiversity, and agrobiodiversity, with particular regard to unseeded plants, vegetation, ecosystems, land-use systems, and landscapes - Overview on concepts, methods, and approaches of biodiversity assessment - Overview on edible plants of mountain areas with examples, referring to their ecology - Sustainable foraging - Traditional Ecological Knowledge (TEK) of wild edible plants and their use - Ecosystem restoration for particular plants - Relation of plants, environment, and human health - Wild plant identification in the lab and in the field

Learning outcomes	The learning outcomes need to refer to the Dublin Descriptors: **Knowledge and understanding** of basic and applied aspects and methodologies in Plant biodiversity and environmental impact assessment, and scientific topics related to biodiversity and environment; knowledge and understanding of human impact on mountain ecosystems

	and landscapes and the development of sustainable land-use strategies **Applying knowledge and understanding** of Plant biodiversity and environmental impact assessment in land management, gastronomy, and the practice of nature conservation and ecosystem restoration **Making judgements** on biodiversity, and agrobiodiversity, anthropogenic ecosystem and landscape changes, human impact, management options, and sustainable landscape development **Communication skills** to present basic and applied aspects of Plant biodiversity and environmental impact assessment to stakeholders, scientists, and the public clearly and unambiguously **Learning skills** allow the students to work in land management or gastronomy or continue their studies in a master program

Assessment	Written exam to test knowledge application skills
Assessment language	English
Evaluation criteria and criteria for awarding marks	Clarity of answers, mastery of language (also with respect to teaching language), ability to summarize, evaluate, and establish relationships between topics

Required readings	Stern K.R., Bidlack J.E., Jansky S.H. 2008. Introductory Plant Biology. Edition eleven. McGraw Hill. Zerbe, S. Restoration of multifunctional cultural landscapes. Landscape series, Springer (publication May 2022)
Supplementary readings	Further study material will be provided by the lecturer