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	2nd
Year	I
Academic year	2024/25
Credits	6
Modular	No

Total lecturing hours	36
Total exercise hours	24
Attendance	Strongly recommended
Prerequisites	/
Course page	https://www.unibz.it/en/faculties/agricultural-environmental-food-sciences/bachelor-enogastronomy-mountain-areas/course-offering/

Lecturer	Dr. Alessandro Bricca, mail: alessandro.bricca@unibz.it
Scientific sector of the lecturer	BIO/03
Teaching language	English
Office hours	By request
Teaching format	Frontal lectures, exercises

Lecturer	Dr. Fiona Jane White, mail: fionajane.white@unibz.it
Scientific sector of the lecturer	BIO/03
Teaching language	English
Office hours	By request
Teaching format	Frontal lectures, exercises

Lecturer	Prof. Stefan Zerbe, mail: Stefan.Zerbe@unibz.it, work phone: +39 0471 017150, office BZ K2.02
Scientific sector of the lecturer	BIO/03
Teaching language	English
Office hours	By request
Teaching format	Frontal lectures

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: - Basic knowledge of biodiversity, agrobiodiversity, with particular regard to vegetation, ecosystems, land-use systems, and landscapes - Overview on concepts, methods, and approaches of plant diversity assessment - Structure and functions of plant organs - Basic information on plant systematics - Overview on edible plants of mountain areas with examples, referring to their ecology - Sustainable foraging and wild edible plants - Ecosystem restoration for useful plants - 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 summarise, 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