

General Information	
Academic subject	Principles of Applied Environmental Botany
Degree course	Primary Education Science
Curriculum	/
ECTS credits	6+1
Compulsory attendance	Only for the Laboratory
Language	Italian

Subject teacher	Name SURNAME	Mail address	SSD
	Robert Philipp WAGENSOMMER	robert.wagensommer@uniba.it	BIO/02
Reception hours	Monday h. 14:00-16:00 + Tuesday h. 14:00-16:00 Via E. Orabona 4, Department of Biology, Institute of Botany, 1 st floor, room 9		

ECTS credits details		SSD	ECTS credits
Basic teaching activities	05/A1 - Botany	BIO/03	6+1

Class schedule	
Period	First Semester a.y. 2020/2021
Year	III
Type of class	Lectures + Laboratory

Time management	
Hours measured	1h = 60 min
In-class study hours	45 h Lectures + 10 h Laboratory
Out-of-class study hours	120 hours

Academic calendar	
Class begins
Class ends

Syllabus	
Prerequisite requirements	Basic naturalistic knowledge
Expected learning outcomes	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> Analytical knowledge in the field of biological disciplines, with interdisciplinary competence. • <i>Applying knowledge and understanding</i> Ability to elaborate the acquired knowledge and the realized experiences to prepare specific projects. • <i>Making informed judgements and choices</i> Ability to critically rethink in function of a professional competence of independent judgment in order to the particularity of educational situations. • <i>Communicating knowledge and understanding</i> Appreciable communication skills in the elaboration of the acquired competences. • <i>Capacities to continue learning</i> Possession of learning skills necessary to face the further acquisition

	of information and knowledge in relation to the evolution of the discipline.
Contents	History of life on Earth and Evolution of plants General information on plants Basics on plant cell Systematics, Taxonomy and Nomenclature Concept of species Flora Raunkiaer plant life-forms Chorotypes Vegetation, Phytosociology, Vegetation types Plant Biodiversity Herbarium and Botanic Garden Conservation of nature IUCN, red list, blue list
Course program	
Bibliography	<p>a) Pasqua G., Abbate G. & Forni C. (eds.), 2019. <i>Botanica Generale e Diversità Vegetale. IV edizione</i>. Piccin, Padova, 632 pp.</p> <p>b) Longo C., 2014. <i>Didattica della Biologia</i>. Ledizioni, Milano, 262 pp.</p>
Notes	/
Teaching methods	Lectures (P.Point, blackboard), Laboratory activities
Assessment methods	Oral exam
Further information	/