



UNIVERSITÀ DI PAVIA

Anno Accademico 2021/2022

BOTANY - MOD. 2 (SURNAME A-K)

Enrollment year	2021/2022
Academic year	2021/2022
Regulations	DM270
Academic discipline	BIO/03 ()
Department	DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY "LAZZARO SPALLANZANI"
Course	BIOLOGICAL SCIENCES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	
ECTS	3
Lesson hours	24 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	TOSI SOLVEIG (titolare) - 3 ECTS
Prerequisites	Elements of Cytology (meiosis and mitosis). Concept of prokaryotic and eukaryotic organism, autotrophic and heterotrophic
Learning outcomes	Students will have to acquire the basic concepts of general and applied mycology. They will have general knowledge about taxonomy and fungal ecology and be able to recognize the main groups by microscopic analysis. Practical laboratory activities are organized for this last aspect .
Course contents	Presentation of the Course - Biological and ecological characteristics of fungi Asexual and sexual reproduction Microsporidia, Chitridiomycetes, Zygomycetes, Glomeromycetes Ascomycetes - ascomycetous yeasts. Basidiomycetes - basidiomycetous yeasts

	<p>Symbiosis between fungi and autotrophic organisms, and fungi and animals</p> <p>Fermentation & degradation of lignocellulosic compounds</p> <p>Final summary & exam preparation</p>
Teaching methods	lectures and practical activities in equipped classrooms. There are written preparation monitoring tests with open questions and questions with multiple answers.
Recommended or required readings	<p>Biology of the plants of Raven. Ray F Evert, Susan and Eichhorn. Zanichelli. The part deals with fungi is in a specific chapter</p> <p>On the KIRO platform the slides of the lectures and specific topics are loaded</p>
Assessment methods	written and oral exam
Further information	
Sustainable development goals - Agenda 2030	\$lbl legenda sviluppo sostenibile