

General information	
Academic subject	General Botany Lab
Degree course	<i>Natural Sciences</i>
Academic Year	2021-2022
European Credit Transfer and Accumulation System (ECTS)	2
Language	<i>Italian</i>
Academic calendar (starting and ending date)	<i>March-June 2022</i>
Attendance	<i>Compulsory</i>

Professor/ Lecturer	
Name and Surname	Mario De Tullio (15h) - Alessandra Villani (9h)
E-mail	mario.detullio@uniba.it / alessandra.villani@uniba.it
Telephone	0805442158 -0805442162
Department and address	<i>Dept. Biology – Campus, via Orabona 4, 70125 Bari</i>
Virtual headquarters	<i>Teams code bq2h14z</i>
Tutoring (time and day)	Every day, upon previous e-mail contact

Syllabus	
Learning Objectives	<i>Reinforcement of the notions provided in the General Botany course by performing practical activities.</i>
Course prerequisites	<i>Notions of chemistry and biology</i>
Contents	<i>Observation of plants, plant organs, tissues, and cells.</i>
Books and bibliography	<i>Speranza-Calzoni: Struttura delle piante in immagini. Zanichelli Editore</i>
Additional materials	<i>Hands-on material provided by the instructors</i>

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
24	0	24	26
ECTS			
2	0	2	
Teaching strategy	<i>Hands-on activities. Microscopy observations. Flipped classroom.</i>		
Expected learning outcomes			
Knowledge and understanding on:	○ Analytical knowledge in biological sciences; capability of making cross-disciplinary connections		
Applying knowledge and understanding on:	○ Capability of using knowledge and experiences acquired within the classes to gain the full picture of plants dwelling different environments		
Soft skills	<ul style="list-style-type: none"> • <i>Making informed judgement and choices</i> Students can make logical connections and develop their own informed opinions • <i>Communicating knowledge and understanding</i> Students are expected to gain remarkable communication skills when talking about the topics discussed during the classes • <i>Capacities to continue learning</i> Acquisition of the learning skills needed to gain further information and knowledge in parallel with the progress of the discipline. 		

Assessment and feedback	
Methods of assessment	
Evaluation criteria	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> The student shows full understanding of the basic concepts of plant form and function, and plant adaptation to the environment • <i>Applying knowledge and understanding</i> The student can use his/her knowledge to perform effective observations of the plant materials provided • <i>Autonomy of judgment</i> The student can make logical connections and develop his/her own informed opinions • <i>Communicating knowledge and understanding</i> The student can correctly express the concepts acquired using proper scientific language • <i>Capacities to continue learning</i> The student can progress in his/her educational course and acquire new knowledge
Criteria for assessment and attribution of the final mark	Attendance of the lab course and participation to the lab activities and discussions is considered favorably in the definition of the final mark of the General Botany exam.
Additional information	