General information	
Academic subject	General Botany
Degree course	Natural Sciences
Academic Year	*2021-2022*
European Credit Transfer and Accumulation System (ECTS)	6
Language	*Italian*
Academic calendar (starting and ending date)	*March 2022/June 2022*
Attendance	*Suggested*

Professor/ Lecturer	
Name and Surname	Mario De Tullio
E-mail	mario.detullio@uniba.it
Telephone	+39 080 5442158
Department and address	*Dept. Biology, Section Plant Biology, via Orabona 4, 70125 Bari, Italy*
Virtual headquarters	*Teams code bq2h14z*
Tutoring (time and day)	Every day, upon previous e-mail contact

---

Syllabus	
Learning Objectives	*Acquisition of basic knowledge on plant biology and awareness about the importance of plants in environmental dynamics.*
Course prerequisites	*Notions of chemistry and biology*
Contents	Overview of plant organisms. The plant cell: organelles and compartments. Plant tissues and organs. Life cycle of higher plants: Evolution and plant biodiversity; Raunkiaer classification of vegetative buds.
Books and bibliography	Rost et al., Plant Biology Sanità di Toppi, Interazioni piante-ambiente, Piccin Additional teaching material available
Additional materials	http://www-plb.ucdavis.edu/courses/bis/1c/text/PLANTBIOLOGY2.htm

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
150	*48*		*102*
ECTS			
6	*6*		

Teaching strategy	
	Video assisted classes
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	• *Making informed judgments and choices* ○ The student can make logical connections and develop his/her own informed opinions • *Communicating knowledge and understanding*

	○ Students are expected to gain remarkable communication skills when talking about the topics discussed during the classes. • *Capacities to continue learning* ○ 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	*Oral exam*
Evaluation criteria	• *Knowledge and understanding* The student shows full understanding of the basic concepts of plant form and function, and plant adaptation to the environment • *Applying knowledge and understanding* The student can use his/her knowledge in environmental monitoring and to solve environmental challenges • *Autonomy of judgment* The student can make logical connections and develop his/her own informed opinions • *Communicating knowledge and understanding* The student can correctly express the concepts acquired using proper scientific language • *Capacities to continue learning* ○ The student can progress in his/her educational course and acquire new knowledge
Criteria for assessment and attribution of the final mark	The exam is completed if the student answers correctly to a minimum of three questions, on different topics. Highest grades are obtained if the above-mentioned criteria are fulfilled.
Additional information	