

Main course information	
Academic subject	Systematic Botany
Degree course	Environmental Biology
Degree class	LM/6
ECTS credits (CFU)	6
Compulsory attendance	Yes
Teaching language	Italian
Accademic Year	2019/2020

Professor/Lecturer	
Name & SURNAME	Viviana CAVALLARO
email	<a href="mailto:Viviana.cavallaro@uniba.it">Viviana.cavallaro@uniba.it</a>
Tel.	0805442169
Tutorial time/day	On Tuesday and Wednesday from 11:30 to 13:30. Please write an e-mail to take an appointment

Course details	Pass-fail exam/Exam with mark out of 30	SSD code	Type of class
	Botany field of study	BIO/02	Lecture and lab

Teaching schedule	Year	Semester
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Lesson type	CFU/ECTS	Lessons (hours)	CFU/ECTS lab	Lab hours	CFU/ECTS tutorial/workshop	Tutorial/workshop hours	CFU/ECTS field trip	Field trip Hours
		6	32	2	24			

Time management	Total hours	Teaching hours	Self-study hours
	150	56	94

Academic Calendar	First lesson	Final lesson
	October	January

Syllabus	
Course entry requirements	Basic knowledge in Botany
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	
<i>Knowledge and understanding</i>	Importance of Systematic Botany in understanding plant biodiversity. The importance of the main methods of the discipline. The ability to recognize taxonomic features and the traits of the main taxa. This knowledge should be learned throughout lectures. Workshop activities should make the students learn how to recognize the different species. This skill is considered to be the basis to comprehend the vegetal components of the various ecosystems.
<i>Applying knowledge and understanding</i>	The ability to recognize species by using modern methods and to analyze datas independently. During workshops, students should properly use lab tools and follow the various steps of the workshop.
<i>Making informed judgements and choices</i>	The ability to make judgements on botany themes and to interpret and evaluate experimental data.
<i>Communicating knowledge and understanding</i>	The ability to work alone and in groups and to use a proper vocabulary.
<i>Capacities to continue learning</i>	The ability to interpret critically the course contents. The ability to use proper sources and to make proper links between the course contents.

Syllabus	
Course content	<p>Morphological characteristics with taxonomic value.</p> <p>Cyanobacteria</p> <p>Eukaryotic algae: Rhodophyta, Chlorophyta, Charophyta, Cryptophyta, Haptophyta, Phaeophyta, Bacillariophyta.</p> <p>Bryophyta: Anthocerotopsida, Marchantiopsida, Bryopsida</p> <p>Vascular plants</p> <p>Pteridophyta: Psilophytopsida, Psilotopsida, Lycopodiopsida, Equisetopsida, Pteropsida.</p> <p>Spermatophyta: Coniferophytina (Ginkgoopsida, Pinopsida), Cycadophytina (Cycadopsida, Gnetopsida), Magnoliophytina (Magnoliopsida, Rosopsida, Liliopsida).</p> <p>Fungi: Oomycota (Oomycetes), Eumycota (Chytridiomycetes, Zygomycetes, Ascomycetes, Basidiomycetes).</p> <p>Lichens.</p> <p>The most important families of Italian Flora : Apiaceae, Asteraceae, Brassicaceae, Fabaceae, Lamiaceae, Rosaceae, Alliaceae, Poaceae, Orchidaceae, Liliaceae.</p>
Course books/Bibliography	Botanica generale e diversità vegetale. Pasqua, Abate, Forni. Editore Piccin; Strasburger – Trattato di Botanica sistematica vol. II Delfino Editore Roma
Notes	Lecture Power Points are available as support to the study.
Teaching methods	Lectures (with the use of PowerPoint) and workshop
Assessment methods (indicate at least the type written, oral, other)	Oral examination. Marks out of 30.
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are)	The exam verifies that the students has learned the course contents and a proper vocabulary. It is also evaluated the ability to make links between systematic botany and plant biology topics.
Further information	