Main course information	
Academic subject	Laboratory of Sistematic Botany
Degree course	Natural Sciences
Classe di laurea	L/32
ECTS credits (CFU)	3
Compulsory attendance	Yes
Teaching language	Italian
Accademic Year	2019/2020

Docente responsabile	
Name & SURNAME	Francesco Saverio D'Amico
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Tel.	080-5442152
Tutorial time/day	Wednesday and Thursday 9.30-10.30 am at the studio on the ground floor of the Botanical Garden Museum, University Campus.

Course details	Pass-fail exam /Exam with mark	SSD code	Type of class
	Exam with mark out of 30	BIO/02	Lecture/workshop

Teaching schedule	Year	Semester
	II	I

Modalità erogazione	CFU/ECTS	Lessons (hours)	CFU/ECTS lab	Lab hours	CFU/ECTS tutorial/workshop	Tutorial/workshop hours	CFU/ECTS field trip	Field trip Hours
	0	0	3	45	0	0	0	0

Time management	Total hours	Teaching hours	Self-study hours
	75	45	30

Academic Calendar	First lesson	Final lesson

Syllabus	
Course entry requirements	Fundamentals of plant anatomy, nomenclature and taxonomy
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)	
Knowledge and understanding	Students will have to demonstrate ability to carry out herbarium vouchers taking into consideration diagnostic elements, correct scientific names, floral formulas and flower diagrams.
Applying knowledge and understanding	Student must be able to deal with taxonomic topics with correct use of language and apply the acquired knowledge in real contexts. The above skills will be positively evaluated during exam (passing and final mark will be integrated with the results of the exam of 'Systematic Botany')
Making informed judgements and choices	Students must be able to develop connections between different disciplines of the course of study. This skill will be positively evaluated during the exam (passing and final mark will be integrated with the results of the exam of 'Systematic Botany')
Communicating knowledge and understanding	The ability to explain scientific concepts and provide interpretations, with clear and correct language as learnt during the course, will be assessed very positively. Students must also demonstrate the ability to apply the acquired knowledge in educational contexts.

Capacities to continue learning	Students will have to demonstrate to be able to independently acquire further knowledge on the basis of an interdisciplinary preparation. Skills to broaden knowledge with an autonomous learning will be positively evaluated for the final mark (passing and final mark will be integrated with the results of the exam of 'Systematic Botany')

Sylabus	
Course content	Use of analytical keys for the determination of plant taxa. Preparation of a herbarium with flower formulas and flower diagrams. Study of the main botanical families of the Italian flora: Pinaceae, Cupressaceae, Brassicaceae, Fabaceae, Lamiaceae, Fagaceae, Asteraceae, Poaceae, Euphorbiacee, Solanaceae, Apiaceae, Liliaceae, Rosaceae
Course books/Bibliography	P. Sitter et al., 2007, Strasburger - Treaty of Botany for the Universities Vol.II - Evolution, Systematics and Ecology - 10th Italian edition by Luca Bragazza. Delfino Publisher Rome P. Zangheri, 1976, Flora Italica - Vol. I-II. Cedam, Padua
Notes	Lecture notes
Teaching methods	Real observation of plant samples to be identified through assessments of taxonomic characters in laboratory work with the aid of strereomicroscopes and analytical keys. In the laboratory the critical collegial discussion of the approximation phases to the taxonomic recognition of vegatali taxa will be favored.
Assessment methods (indicate at least the type written, oral, other)	Oral interview and evaluation of the correct taxonomic determination of the herbarium samples produced. The assiduous and active participation during the teaching course will contribute to a very positive evaluation. For the final grade the following will be taken into consideration: clarity, language properties and circular knowledge of the topics.
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	We evaluate the execution of the production phases of the herbarium sample such as the completeness of the diagnostic elements presented, the degree of dehydration of the sample, the arrangement of the sample parts, the correctness of the scientific names and the accuracy of the floral formulas and floral diagrams . The evaluation is expressed in thirtieths.
Further information	