UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Agrarie, Alimentari e Forestali
ACADEMIC YEAR	2019/2020
BACHELOR'S DEGREE (BSC)	AGRICULTURAL SCIENCES AND TECHNOLOGIES
SUBJECT	SYSTEMATICS AND IDENTIFICATION OF THE MEDITERRANEAN AND EXOTIC PLANT SPECIES - LABORATORY
TYPE OF EDUCATIONAL ACTIVITY	F
AMBIT	10861-Altre conoscenze utili per l'inserimento nel mondo del lavoro
CODE	18713
SCIENTIFIC SECTOR(S)	
HEAD PROFESSOR(S)	SCHICCHI ROSARIO Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	3
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	2° semester
ATTENDANCE	Not mandatory
EVALUATION	Pass/Fail
TEACHER OFFICE HOURS	**SCHICCHI ROSARIO** Monday 15:00 18:00 Ex Dipartimento di Scienze BotanicheVia Archirafi, 38. primo piano (Stanza prof. Schicchi) Tuesday 15:00 17:00 Via Archirafi, 38 primo piano, ex Dipartimento di Scienze Botaniche

DOCENTE: Prof. ROSARIO SCHICCHI

PREREQUISITES	In order to understand some topics of the course is needed basic knowledge of systematic and plant morphology (concept of species, types of leaves, flowers, inflorescences, fruits, seed heads, organization of corm) that students should have already learned in their studies.
LEARNING OUTCOMES	Knowledge and understanding Acquisition of basic knowledge concerning the identification of taxonomic characters useful for the recognition of the most important families and species of plants, Mediterranean and exotic, of agricultural interest. Applying knowledge and understanding Recognize in practical the essential morphological and taxonomic characters of different groups of plants of agricultural interest; knowing how will recognize, through the use of analytical keys, specimens related to the species of interest in agriculture. Making judgments Being able to evaluate the implications and results of the exact identification of a plant species related to the food chain. Communication skills Ability to present the results for the recognition of plant species also in a public or non-expert or with practical experience but with limited scientific basis. Learning ability Ability to auto-update, by consulting scientific publications relevant to the field of botany. Ability to understand the disciplines of the curriculum that will take botany as knowledge base.
ASSESSMENT METHODS	Final practical exam at the end of the course. Will be valued the ability to recognize the main taxonomic characters used to classify and identify the Mediterranean and exotic species that characterize the agro-systems and ornamental plants. During the final oral exam students can present an educational herbarium. The final vote properly graded, will be formulated based on the following criteria: a) Sufficient: minimal knowledge of the taxonomic characters and limited ability to use independently an analytical key; b) Good: good knowledge of the taxonomic characters and ability to use independently an analytical key; d) Excellent: excellent knowledge of the taxonomic characters of species and ability to use in autonomy the dichotomous keys for classification and identification of plants.
EDUCATIONAL OBJECTIVES	The laboratory aims the training objective to provide students the basic knowledge useful to recognize the useful features to classify and identify the Mediterranean and exotic species that characterize the agro-systems and ornamental green. To this end several exercises will be carried out through the use of analytical keys, on herbaceous and woody species typical of agro-systems or ornamentals.
TEACHING METHODS	Training in the classroom and in the field.
SUGGESTED BIBLIOGRAPHY	–Pignatti, Flora d'Italia. Edagricole, Bologna. –Analytical keys given by the lecturer

SYLLABUS

Hrs	Practice
1	Analytical key for plant identification
2	Classification and identification of the main genera of the family of Apiaceae
2	Classification and identification of the main genera of the family of Asteraceae.
2	Classification and identification of the main genera of the family of Fagaceae.
1	Classification and identification of the main genera of the family of Aceraceae.
1	Classification and identification of the main genera of the family of Brassicaceae
1	Classification and identification of the main genera of the families of Corylaceae, Juglandaceae.
4	Classification and identification of the main genera of the family of Fabaceae
3	Classification and identification of the main genera of the family of Rosaceae
4	Classification and identification of the main genera of the family of Poaceae
2	Classification and identification of the main genera of the family of Oleaceae
2	Classification and identification of the main genera of the families of Rutaceae, Moraceae.
1	Classification and identification of the main genera of the families of Cucurbitaceae, Solanaceae
2	Classification and identification of the main genera of the families of Lamiaceae e Vitaceae

SYLLABUS

Hrs	Practice
2	Classification and identification of the main genera of the families of Alliaceae, Asparagaceae, Liliaceae, Iridaceae.