



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	
ACADEMIC YEAR	
ANNO ACCADEMICO EROGAZIONE	
SUBJECT	
CODE	
SCIENTIFIC SECTOR(S)	
HEAD PROFESSOR(S)	VENTURELLA Professore Ordinario Univ. di PALERMO GIUSEPPE
OTHER PROFESSOR(S)	
CREDITS	
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	
TERM (SEMESTER)	
ATTENDANCE	
EVALUATION	
TEACHER OFFICE HOURS	VENTURELLA GIUSEPPE Tuesday 09:30 13:30 Dipartimento Scienze Agrarie, Alimentari e Forestali, Viale delle Scienze Ed. 5, ex Istituto di Patologia Vegetale, 1 Piano, Palermo

DOCENTE: Prof. GIUSEPPE VENTURELLA

PREREQUISITES	Basic knowledge on Morphology and Plant Physiology and Systematic Botany
LEARNING OUTCOMES	Knowledge and ability 'to understand the issues involved with the national and regional territorial current status of the natural forests and the reafforested forest stands. Capacity 'to apply knowledge and understanding in the regional and national territory with particular reference to the management decisions of forest type in protected natural areas. Independent judgment on the choice of forest species. Enable 'communication for the transfer of know-how to the managing bodies of parks and nature reserves. Capacity and learning the issues involved with preservation of forest biodiversity.
ASSESSMENT METHODS	Oral test. In itinere test, the grades are on a scale of 30
EDUCATIONAL OBJECTIVES	The main objective is to provide to students information useful for the ecological and systematic observation and identification of woody plants and shrubs and the knowledge of their role in the ecosystems. Information are also provided to the students on the effects of global climatic changes, genetic erosion and loss of biodiversity on forest ecosystems. The effects of the introduction of exotic and alien species are also evaluated. The students are involved in field excursion for collecting plants which will be dried and preserved in a personal herbarium to show and discuss in the final test.
TEACHING METHODS	Lessons, field excursions, laboratories, herbarium
SUGGESTED BIBLIOGRAPHY	GROSSONI P. e Gellini R. - Botanica forestale I, II- Cedam. Appunti a lezione

SYLLABUS

Hrs	Frontal teaching
2	Forest ecosystem. Woods and Forests. Woody index and coenoses. Climax
2	Vegetation belts and type of vegetation
2	Habitus and systems of branching
2	Trees and shrubs in wet environments
2	Methodologies of filing of Mediterranean arid and Mediterranean belts forest trees
4	Trees and shrubs in the sannitic vegetation belt
4	Trees and shrubs in the colchic and sub-atlantic belt
2	Trees and shrubs in the upper belt of the forest environment
Hrs	Practice
4	Trees and shrubs in the Mediterranean maquis
4	Field excursion in the Park of Favorita (Palermo). observation and collection of trees and shrubs in the Mediterranean maquis
2	Techniques for the preparation of the personal herbarium
8	Field excursion in the Ficuzza natural reserve (Palermo). observation and collection of trees and shrubs in the sannitic vegetation belt
10	Field excursion in the Park of Madonie (Palermo). observation and collection of trees and shrubs in the colchic and subatlantic belt
12	Field excursion on the Etna Mt: observation and collection of trees and shrubs samples in the upper vegetation belt of Sicily
Hrs	Workshops
2	Final identification and herbarium check
2	Final identification of shrubs and herbarium check