

ACADEMIC YEAR: 2018-2019

COURSE: ENVIRONMENTAL BOTANY

TYPE OF EDUCATIONAL ACTIVITY: Optional course

TEACHER: Simonetta Fascetti

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mobile:

Language: Italian

ECTS: (lessons / tutorials/practice):6	n. of hours: 32 hours of lessons 16 hours of practice	Campus: Potenza School: SAFE Program: L25 Forest and Environmental Sciences	Semester: II
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EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES The course aims to provide theoretical bases and methodological tools for knowledge of the main flora and vegetation aspects of land cover as a function of the natural and anthropic causes.

PREREQUIREMENTS General Botany and Forestry, Topography, G.I.S. and Detection Techniques

SYLLABUS

Plant ecology - plants and the environment: biosphere, solar radiation and energy distribution in the ecosystem. Climate, climatic factors, climatic indices, bioclimate and phytoclimate, plant adaptations to environmental stresses, biological shapes and biological spectra. Biomes.

Corology: History and evolution of terrestrial flora, biogeography of Mediterranean flora from Plio-Pleistocene to Glaciations and current situation. Areas and distribution of plant species.

Phytosociology: concepts of Flora and Vegetation, syntaxonomy, dynamism, climax, sequences and series of vegetation.

The Italian vegetation with particular reference to the types of Southern Italy.

TEACHING METHODS

32 hours of lessons 16 hours of laboratory and field practices.

EVALUATION METHODS

Oral examination at the end of the course.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Longhitano N., 1991. Fitogeografia con elementi di ecologia vegetale. CUECM, Catania.

Oberdorfer E., 1983. Pflanzensoziologische Exkursionsflora. E. Ulmer, Stuttgart.

Ozenda P., 1982. Les végétaux dans la biosphère. Doin Editeurs, Paris

Pignatti S. (2005) Valori di bioindicazione delle piante vascolari della flora d'Italia. Braun-Blanquetia 39: 3-97.

Pignatti S., 1994. Ecologia del paesaggio. UTET, Torino.

Pignatti S., 1995. Ecologia vegetale. UTET, Torino.

Pirola A., 1970. Elementi di fitosociologia. CLUEB, Bologna

Strasburger E., 1982. Trattato di Botanica. Parte sistematica. Delfino Editore, Roma.

Ubaldi D., 1997. Geobotanica e Fitosociologia. CLUEB, Bologna.

+ Educational material available from the teacher

INTERACTIONS WITH STUDENTS

- in the office at planned days/hours
 - email
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EXAMINATION SESSIONS (Forecast)
every month (except August)

EVALUATION BOARD
Simonetta Fascetti
Leonardo Rosati
