UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Agrarie, Alimentari e Forestali
ACADEMIC YEAR	2023/2024
MASTER'S DEGREE (MSC)	AGROENGINEERING AND FORESTRY SCIENCES AND TECHNOLOGIES
SUBJECT	HABITAT DIRECTIVE
TYPE OF EDUCATIONAL ACTIVITY	D
AMBIT	20758-A scelta dello studente
CODE	21791
SCIENTIFIC SECTOR(S)	BIO/03
HEAD PROFESSOR(S)	GIANGUZZI LORENZO ANTONINO Professore Associato Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	3
INDIVIDUAL STUDY (Hrs)	43
COURSE ACTIVITY (Hrs)	32
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	1° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	**GIANGUZZI LORENZO ANTONINO** Monday 9:00 14:00 Dipartimento di Scienze Agrarie, Alimentari e Forestali Universita degli Studi di Palermo - Viale delle Scienze, ed. 5 (studio del docente, piano terra), I- 90128 - Palermo

PREREQUISITES	Non sono previste propedeuticità, ma è preferibile che gli studenti abbiano le conoscenze di Botanica Forestale, Botanica Sistematica, nonché buona autonomia nella determinazione delle specie vegetali. There are no prerequisites, but it is preferable that the student has knowledge of Sistematic Botany, Forest Botany and Forest Geobotany and good autonomy in the determination of plant species.
LEARNING OUTCOMES	Knowledge and ability to understand Acquisition of knowledge on the rules and applications of the Habitats Directive (92/43 / EEC), as an important tool for the conservation of biodiversity in member countries, taking into account economic, social, cultural and regional needs. Applying knowledge and understanding The student will be able to carry out assessments on habitats and species of community interest (Habitats Directive - 92/43 EEC), connected with the protection of nature. Making judgments The knowledge and methodological competences provided by the course will be useful for transferring the results in professional activity (forest management, environmental regeneration, nature conservation, etc.). Communicative skills The course aims to provide the basic knowledge of the Habitat Directive (92/43 EEC), useful for being able to operate correctly in the context of territorial planning and programming. Learning ability The student will be able to analyze the plant biodiversity (plants and habitats) that is the basis of Nature Conservation.
ASSESSMENT METHODS	Oral exam aimed at evaluating the acquired knowledge, the ability to make connections between topics and clarity in presentation. The student will have to demonstrate the acquisition of basic knowledge and ability to use the specific language of the basic subject. Positive valuation ranges from 18 to 30 and praise. The final valuation will be formulated on the basis of the following criteria: a) deep knowledge and ability to apply its concepts promptly and correctly, excellent capacity of synthesis and analysis (rating 30-29; the "lode" will be assigned to those students that will show excellent knowledge and complete mastery of the material); b) in-depth knowledge of the studied topics and ability to analyze the proposed questions, good capacity of synthesis and exposition of the followed procedures (rating 28-26); c) good knowledge of the studied topics, ability to link these and to apply their content, discrete capacity of analysis of the presented questions and exposure of the procedures followed (rating 25-22); d) basic knowledge of the main topics, limited capacity to apply the gained knowledge and sufficient exposure of the procedures followed (rating 21-18).
EDUCATIONAL OBJECTIVES	The course analyzes articles, principles and technical-scientific implications of the Habitat Directive (92/43 / EEC), as the main regulatory instrument on the conservation of biodiversity in Europe (flora, fauna and habitat of community interest). The habitats and species of community interest connected to the Natura 2000 network will be analyzed, with particular reference to the Mediterranean area and Sicily. This is based on their recognized naturalistic-environmental value within the Sites of Community Interest (SIC), Special Areas of Conservation (SACs) and Special Protection Areas (SPAs).
TEACHING METHODS	Frontal lessons and exercises.
SUGGESTED BIBLIOGRAPHY	Gianguzzi L., 2022 - Appunti e slide delle lezioni del Corso – Lecture notes. Angelini P., Casella L., Grignetti A., & Genovesi P., 2016 - Manuali per il monitoraggio di specie ed habitat di interesse comunitario (Direttiva 92/43/CEE) in Italia: habitat. ISPRA, Serie Manuali e linee guida, 142(2016), 280 (ISBN 978-88-448-0789-4)

SYLLABUS

Hrs	Frontal teaching
2	International conventions aimed at the conservation of biodiversity. The Habitats Directive (92/43/EEC): application in Italy.
2	The Habitats Directive: the articles.
2	The Habitats Directive: Annex I (Natural habitats whose conservation requires SACs).

SYLLABUS

Hrs	Frontal teaching
2	The Habitats Directive: Annexes II, III, IV, V (species of community interest that require the designation of Special Areas of Conservations- SACs)
2	The Natura 2000 network in Sicily: from natural reserves and parks to Sites of Community Interest.
2	Monitoring and cartography: the Map of the vegetation and habitats of Sicily
2	The Standard Data Form for the technical sheet for Natura 2000 sites.
2	Application of the Habitats Directive in the conservation of biodiversity: a) management plans; b) LIFE projects.
2	The Incidence Assessment Study. The investigation in Sicily Region.
2	The Incidence Assessment Study. - Screening (Level 1). The formats (of the proposer and the evaluator).

Hrs	Practice
2	Application of the Habitats Directive in biodiversity conservation: c) the Incidence Assessment Report.
2	The Incidence Assessment Study. Appropriate Assessment (Level 2). Compensation measures (Level 3).
8	Exercises on relations related to the Habitats Directive.