UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Culture e società
ACADEMIC YEAR	2022/2023
MASTER'S DEGREE (MSC)	ARCHAEOLOGY
SUBJECT	HISTORICAL LANDSCAPE ECOLOGY
TYPE OF EDUCATIONAL ACTIVITY	C
AMBIT	20871-Attività formative affini o integrative
CODE	21112
SCIENTIFIC SECTOR(S)	BIO/03
HEAD PROFESSOR(S)	BAZAN GIUSEPPE Professore Associato Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	6
INDIVIDUAL STUDY (Hrs)	120
COURSE ACTIVITY (Hrs)	30
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	2
TERM (SEMESTER)	1° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	**BAZAN GIUSEPPE** Monday 09:00 19:00 Ricevimento a distanza su Piattaforma Microsoft Teams. Tuesday 09:00 19:00 Ricevimento a distanza su Piattaforma Microsoft Teams. Wednesday 09:00 19:00 Ricevimento a distanza su Piattaforma Microsoft Teams. Thursday 09:00 19:00 Ricevimento a distanza su Piattaforma Microsoft Teams. Friday 09:00 19:00 Ricevimento a distanza su Piattaforma Microsoft Teams. Saturday 09:00 12:00 Ricevimento a distanza su Piattaforma Microsoft Teams.

DOCENTE: Prof. GIUSEPPE BAZAN

PREREQUISITES	Basic knowledge in Biology
LEARNING OUTCOMES	The course aims to provide knowledge and methodological tools of analysis and interpretation of physical complexity, biological and anthropogenic ecological systems using as a reading key the human history. The course aims to provide a framework of knowledge of the issues inherent Historical Landscape Ecology in relation to the archaeological analysis tools. Will be focused the study of historical dynamics, understood as the fundamental elements of biological and cultural diversity.
ASSESSMENT METHODS	The student will have to answer at least four oral questions, on all of the topics described in the list below (see "Programma dell'insegnamento"), as studied in the suggested readings list provided below. The final evaluation aims at appraising whether the student possesses a good knowledge and comprehension of the topics, and whether he/she has acquired the ability to interpret and the autonomously judge actual cases. The lowest evaluation grade will be achieved if the student proves his/her knowledge and comprehension of the main subjects, at least within a general framework, and can apply that knowledge. The student shall also be able to present to the examiner, while competently discussing, the topics related to Historical Landscape Ecology in a successful way. Below that threshold, the student will not be able to pass the examination. On the contrary, the more the student will be able to interact with the examiner and discuss the topics, and the more he/she will prove to have acquired the basics of Historical Landscape Ecology, the higher will the evaluation grade be. The evaluation grades range is comprised between 18 and 30, according to the following criteria: Excellent (30 – 30 e lode): Excellent knowledge of the subjects studied in the course, excellent language skills, good analytical and interpretative capacity; the student is fully able to understand the principal action of Historical Landscape Ecology. Very good (26-29): Good mastery of the subjects studied in the course, very good language skills; the student is able to understand the principal action of Historical Landscape Ecology. Good (24-25): Knowledge of the main subjects studied in the course, good language skills; the student shows a limited ability to understand the principal action of Historical Landscape Ecology. Average (21-23): Basic knowledge of some subjects studied in the course, adequate language skills; poor ability to autonomously understand the principal action of Historical Landscape Ecology. Pass (18-20): Minimal knowledge of some subjects and of the technical language; very poor or inexistent ability to autonomously apply techniques to understand the principal action of Historical Landscape Ecology. Fail: The student does not have an acceptable knowledge of the subjects studied in the " Historical Landscape Ecology " course.
EDUCATIONAL OBJECTIVES	Objective of the module is to provide cognitive and methodological tools for the analysis of physical, biological and anthropogenic landscape patterns, with emphasis on historical dynamics. Particular attention will be paid to the study of the relationship between biological and cultural diversity, acknowledged as a fundamental element in the quality assessment of different landscapes. The issues related to landscape dynamics interpretation for the definition of land cover change trajectories will be object of in-depth analysis. Historical landscape ecology themes will be applied to landscape archaeology studies.
TEACHING METHODS	Lectures, In-class activities, Seminars and Field trips
SUGGESTED BIBLIOGRAPHY	Bazan G. and Castrorao Barba A. (Eds.) 2022 - Historical Ecology, Archaeology and Biocultural Landscapes: Cross-Disciplinary Approaches to the Long Anthropocene. MDPI. ISBN: 978-3-0365-4303-1. https://www.mdpi.com/books/pdfview/book/5624 Pignatti S. 1994 - Ecologia del Paesaggio. UTET ISBN: 9788802046716 Dispense e presentazioni del docente.

SYLLABUS

Hrs	Frontal teaching
2	Principles and applications of Historical Landscape Ecology, Basic concepts historical ecology and landscape ecology. Definition of landscape.
2	Factors underlying diversity and heterogeneity of landscape and its resources: climate, lithology, landforms and soil.
4	Current plant landscape analysis. Flora. Analysis and interpretation of the flora.
4	The concept of vegetation, analysis and interpretation of vegetation.
2	Plant community dynamics: ecological succession and vegetation series, ecological gradients analysis and geoseries of vegetation.
2	The concept of Potential natural vegetation and Land suitability.
2	Historical plant landscape analysis through the study of archaeobotanical finds.
4	Methodology of Palynological, carpological and anthracological analyses.
2	Archaeological land evaluation: principi e metodi.

SYLLABUS

Hrs	Frontal teaching
2	Landscape Naturalness. Diachronic analysis of landscapes.
4	Caratterizzazione ed analisi del paesaggio storico di un’area campione del paesaggio siciliano Historical landscape characterization and analysis of a case study area.