UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Culture e società
ACADEMIC YEAR	2017/2018
BACHELOR'S DEGREE (BSC)	CULTURAL HERITAGE: KNOWLEDGE, MANAGEMENT, ENHANCEMENT
SUBJECT	PALEOANTHROPOLOGY
TYPE OF EDUCATIONAL ACTIVITY	A
AMBIT	50002-Discipline geografiche e antropologiche
CODE	05495
SCIENTIFIC SECTOR(S)	BIO/08
HEAD PROFESSOR(S)	SINEO LUCA Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	12
INDIVIDUAL STUDY (Hrs)	240
COURSE ACTIVITY (Hrs)	60
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	2° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	**SINEO LUCA** Thursday 12:00 14:00 Studio - Via Archirafi 18 - Dip. STEBICEF - Biologia animale e Antropologia

DOCENTE: Prof. LUCA SINEO

PREREQUISITES	The course is scheduled for the first year of of a young student eager to pursue a career as an archaeologist or expert on cultural heritage . The course , in addition to the specific knowledge of evolutionary anthropology tries to give a first theoretical framework and practical concepts related to stratigraphy , sedimentary geology , systematic biology, skeleton biology, human ecology and ecology of the Quaternary. A general knowledge of the essentials of Mathematics, Physics and Natural Sciences are requested.
LEARNING OUTCOMES	Knowledge and understanding: Knowledge of the basic evolutionary phenomena; knowledge of the basic palaeoecological phenomena ; knowledge of the morpho - functional mechanisms and adaptation on the model of human and non-human primates . Applying knowledge and understanding Ability to perform analysis for the analysis and modeling and evolution of the genus Homo with special regard to H. sapiens . Making judgments Ability to understand the scientific importance of the analysis of endogenous and exogenous processes and the evolution of forms and gold environmental and social impact . Communication skills The student will acquire the ability to compare and pass on their knowledge and skills in the analysis of the processes that have affected and will affect the genus Homo and the environment which he edited . Learning ability By attending to lectures and exercises students will develop their ability to learn and analysis of exogenous processes in comparative perspective with disciplines of the course of study .
ASSESSMENT METHODS	The assessment of learning is through an oral and practical test. The test aims at verifying knowledge on the discipline, evaluation of critical and interpretive abilities of the learner and the practical ability to apply theoretical knowledge in the laboratory and in the field .The course is divided into 12 CFUs. At the end of the first 6 CFUs a written test is offered; it is optional. The test consists of multiple-choice questions on the topics that characterize the first part of the course, namely on Paleoanthropology and the evolution of the Primates Order. Test judgment is qualitative (insufficient, sufficient, discreet, good, excellent). Students who report the excellent evaluation will only take the second part of the program for oral examination. Others will, however, discuss the test during the final oral exam. Exam is evaluated on base /30.
EDUCATIONAL OBJECTIVES	The course defines the necessary tools to the study of the natural history of man, of funerary practices and archaeo-anthropology . The course provides the opportunity for a synthesis of many key evolutionary information derived from the basic biological and geological disciplines . Students acquire skills related to adaptation and diffusion concepts , technology and information transmission in primates , which provide both physical and cultural evolution of the genus Homo , and critical evaluation of its ancient and modern impact on ecosystems .
TEACHING METHODS	The course consists of lessons, laboratory exercises and field work. The program consists of 12 credits. 1 - Evolution , Systematics and Biogeography of the living primates . 2 - Paleoprimatology and Human Paleontology . 3 - Anatomically modern Homo sapiens : Evolution 4 - Elements of Biological and Molecular Anthropology 5 - Elements of the human skeleton anatomy and stress indicators 6 - Biology and Human Ecology and Auxology
SUGGESTED BIBLIOGRAPHY	Klein R. The Human career. Chicago Acad. Press. III edizione (presente in Biblioteca dipartimentale) Chiarelli B. – Dalla natura alla cultura. Principi di Antropologia biologica e culturale – Piccin Padova, Vol. 1,2,3 Antropologia evoluzionistica - II edizione. Spedini, Piccin Padova. Lewin R & Foley RA. – Principles of Human Evolution – Blackwell Publishing Cambridge Encyclopedia of Human Evolution – S. Jones, R. Martin et al. Ed. Cambridge University Press - Szalay FS (1999) – Paleontology and Macroevolution: On the Theoretical Conflict between an expanded Synthesis and Hierarchic Puntuationism. In TG Bromate & F. Schrenk “African Biogeography, Climatic Change and Human Evolution, Oxford Univ. Press. Wood B & Collard M. (2001) Evolving Interpretation of Homo. In Humanity from African Naissance to Coming Millennia. Firenze University Press. Tutte le lezioni in formato pdf sono depositate nel web, a disposizione, cosi' come eventuali testi ed articoli di approfondimento Siti –

	BECOMING HUMAN

SYLLABUS

Hrs	Frontal teaching
4	Evolution, Biogeography and Primate Systematics
15	Palaeoprimatology and Human Palaeontology
6	The evolution of anatomically modern Homo sapiens
10	Principles of Molecular and Biological Anthropology

Hrs	Practice
30	Human anatomy and skeleton biology (Bone stress Markers). laboratory and Field activities.