



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze della Terra e del Mare		
ACADEMIC YEAR	2016/2017		
BACHELOR'S DEGREE (BSC)	NATURAL AND ENVIRONMENTAL SCIENCES		
SUBJECT	ANTHROPOLOGY		
TYPE OF EDUCATIONAL ACTIVITY	B		
AMBIT	50170-Discipline biologiche		
CODE	01336		
SCIENTIFIC SECTOR(S)	BIO/08		
HEAD PROFESSOR(S)	SINEO LUCA	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)			
CREDITS	6		
INDIVIDUAL STUDY (Hrs)	98		
COURSE ACTIVITY (Hrs)	52		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	3		
TERM (SEMESTER)	1° 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	Placing of the course in the third year of the three-year course is linked to the fact that for a better understanding of the evolutionary mechanisms that have led to human development requires a prior articulated knowledge in the field of Life sciences and in Sciences of the Earth. In particular, the course requires knowledge of biological and geological systematics, physical geography, ecology, formal and population genetics, paleontology and comparative anatomy.
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 study and modeling 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 teach their knowledge and skills in the analysis of the processes that have affected and will affect the genus Homo and the environment on which he insists. Learning ability By attending to lectures and exercises, students will develop their ability to learn and analyse exogenous processes in comparative perspective with disciplines of the course of study.
ASSESSMENT METHODS	The exam is oral. The test evaluates the ability to correct expression and processing of basic concepts of the discipline and of the learner's capacity for critical analysis.
EDUCATIONAL OBJECTIVES	The student learns the biological origin of man and cultural foundations. The Homo natural dimension is framed from an evolutionary point of view with an excursion that starts from the description of the main fossil representatives of the order of primates, from the Paleo-Eocene. Students are provided the cultural basis for the understanding of the ancient archaeological horizons through a fast framing on the paleoecology of the Quaternary, the isotopic tools for dating and wildlife surveys. At the end of the course the student are able to recognize and classify human fossil forms and critically describe their paleoecology. The course provides a preliminary framework of human anatomy that provides students with the knowledge and adequate glossary at the scientific treatment of the evolution of hominids and humans. The ability of learning is examined with exercises held during the hours of lectures. The course provides the input for the understanding of genetic evolution and distribution of Homo sapiens.
TEACHING METHODS	The course is organized in 40 hours of lessons and 12 hours of laboratory and field experiences.
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 (presente in Biblioteca dipartimentale e nella Biblioteca di Scuola) Antropologia evoluzionistica - Spedini, II edizione. Piccin Padova Lewin R & Foley RA. – Principles of Human Evolution – Blackwell Publishing (disponibile dalla biblioteca di laboratorio per consultazione) Da consultare: 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 Punctuationism. 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. Web Sites BECOMING HUMAN

SYLLABUS

Hrs	Frontal teaching
6	Biogeography, Systematics and Evolution of living primates
16	Palaeoprimatology and Human Palaeontology
6	The evolution of Anatomically modern Homo sapiens

SYLLABUS

Hrs	Frontal teaching
8	principles of Biological and Molecular Anthropology
4	Auxology and Human Biology and Ecology
Hrs	Practice
12	Human Skeleton anatomy and Skeleton Biology