



UNIVERSITÀ DEGLI STUDI DI PALERMO

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| DEPARTMENT | Culture e società |
| ACADEMIC YEAR | 2022/2023 |
| BACHELOR'S DEGREE (BSC) | CULTURAL HERITAGE: KNOWLEDGE, MANAGEMENT, ENHANCEMENT |
| SUBJECT | PHYSICAL ANTHROPOLOGY |
| TYPE OF EDUCATIONAL ACTIVITY | A |
| AMBIT | 50002-Discipline geografiche e antropologiche |
| CODE | 01351 |
| 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

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| PREREQUISITES | The course is scheduled for the first year 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 | <p>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 .</p> <p>Applying knowledge and understanding</p> <p>Ability to perform analysis for the analysis and modeling and evolution of the genus Homo with special regard to H. sapiens .</p> <p>Making judgments</p> <p>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 .</p> <p>Communication skills</p> <p>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 .</p> <p>Learning ability</p> <p>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 .</p> |
| 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 | <p>The course consists of lessons, laboratory exercises and field work.</p> <p>The program consists of 12 credits.</p> <p>1 - Evolution , Systematics and Biogeography of the living primates .</p> <p>2 - Paleoprimatology and Human Paleontology .</p> <p>3 - Anatomically modern Homo sapiens : Evolution</p> <p>4 - Elements of Biological and Molecular Anthropology</p> <p>5 - Elements of the human skeleton anatomy and stress indicators</p> <p>6 - Biology and Human Ecology and Auxology</p> |
| SUGGESTED BIBLIOGRAPHY | <p>Klein R. The Human career. Chicago Acad. Press. III edizione (presente in Biblioteca dipartimentale)</p> <p>Minozzi Canci - Archeologia dei resti umani. Carocci editore - ISBN - 978 88 430 7857 8</p> <p>Chiarelli B. – Dalla natura alla cultura. Principi di Antropologia biologica e culturale – Piccin Padova, Vol. 1,2,3</p> <p>Mallegni F. Come eravamo. LTu edizioni - solo alcuni capitoli definiti a lezione. Il libro e' in parte superato.</p> <p>Lewin R & Foley RA. – Principles of Human Evolution – Blackwell Publishing</p> <p>Cambridge Encyclopedia of Human Evolution – S. Jones, R. Martin et al. Ed. Cambridge University Press -</p> <p>Siti – BECOMING HUMAN</p> |

SYLLABUS

| Hrs | Frontal teaching |
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| 4 | Evolution, Biogeography and Primate Systematics |
| 15 | Palaeoprimatology and Human Palaeontology |
| 6 | The evolution of anatomically modern Homo sapiens |

SYLLABUS

| Hrs | Frontal teaching |
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| 10 | Principles of Molecular and Biological Anthropology |
| Hrs | Practice |
| 25 | Human anatomy and skeleton biology (Bone stress Markers). laboratory and Field activities. |