**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | Human Sciences | | | | |
| **ACADEMIC UNIT** | Department of Mediterranean Studies | | | | |
| **LEVEL OF STUDIES** | Undergraduate | | | | |
| **COURSE CODE** | **ΑΥ-10** | **SEMESTER** | | **6th** | |
| **COURSE TITLE** | Laboratory of Environmental Archaeology | | | | |
| **INDEPENDENT TEACHING ACTIVITIES** *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits* | | | **WEEKLY TEACHING HOURS** | | **CREDITS** |
|  | | | 3 | | 5 |
|  | | |  | |  |
|  | | |  | |  |
| *Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).* | | |  | |  |
| **COURSE TYPE**  *general background,  special background, specialised general knowledge, skills development* | *specialised general knowledge* | | | | |
| **PREREQUISITE COURSES:** | none | | | | |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | Greek | | | | |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** |  | | | | |
| **COURSE WEBSITE (URL)** |  | | | | |

1. **LEARNING OUTCOMES**

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| **Learning outcomes** | |
| *The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.*  *Consult Appendix A*   * *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area* * *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B* * *Guidelines for writing Learning Outcomes* | |
| Introduction, theoretical, pracrtical training, modality methodological understanding of the principles, methods, strategies, study applications of environmental archaeology.  Field guides approach, specialized study-practice in the laboratory | |
| **General Competences** | |
| *Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?* | |
| *Search for, analysis and synthesis of data and information, with the use of the necessary technology*  *Adapting to new situations*  *Decision-making*  *Working independently*  *Team work*  *Working in an international environment*  *Working in an interdisciplinary environment*  *Production of new research ideas* | *Project planning and management*  *Respect for difference and multiculturalism*  *Respect for the natural environment*  *Showing social, professional and ethical responsibility and sensitivity to gender issues*  *Criticism and self-criticism*  *Production of free, creative and inductive thinking*  *……*  *Others…*  *…….* |
| * *Search for, analysis and synthesis of data and information, with the use of the necessary technology* * *Decision-making* * *Working in an interdisciplinary environment* * *Production of new research ideas* | |

1. **SYLLABUS**

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| 1. Basic principles of archaeozoology: Identification and registration of skeletal residues from animals and birds, fish and shellfish residues and their archaeological significance. Separation of small and large zoological residues- nomenclature-atlases-comparative collection. Sampling strategies, taphonomy, tools from bones and shells.  2. Basic principles of Arhcaeobotany:  A. Macrophytic remains. Identification of plant species anatomical characteristics, atlas, comparative collection. Elements of ecology. sampling, flotation (simple, mechanical, wet sieving), taphonomy, material recording, interpretation of results, plant diet, agriculture.  B. Pollen analysis, methodology, pollen diagram interpretation, paleoclimate, taphonomy.  3. Plants’ and animals’ domestication: plant and animal remains data extracted from archaeological sites in the Aegean, Europe and Middle East, agriculture, animal husbandry. The plant remains of ancient cultures, especially in the Aegean.  4. Practice with excavation organic material (bones and plant residues)  5. Anthropology-Paleopathology: History and human evolution, principles of comparative anatomy, pathology, bone recognition, data analysis, documentation, correlations. |

1. **TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY** *Face-to-face, Distance learning, etc.* | Face to face |
| **USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY** *Use of ICT in teaching, laboratory education, communication with students* | Supplementary material in printed and electronic form |
| **TEACHING METHODS**  *The manner and methods of teaching are described in detail.*  *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.*  *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS* | |  |  | | --- | --- | | ***Activity*** | ***Semester workload*** | | Lectures |  | | laborarory materials and analysis methodologies |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | | Course total |  | |
| **STUDENT PERFORMANCE EVALUATION**  *Description of the evaluation procedure*  *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other*  *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.* | Essay  Written exams at the end of the semester |

1. **ATTACHED BIBLIOGRAPHY**

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| *- Suggested bibliography:*  ***a) Basic Textbooks:***  *Liritzis Ioannis (2005) Archaeology and environment, Kardamitsa publ., Athens*  ***b) Additional References:***  *Renfrew, C & Bahn, P (2001) Archaeology. Theories, Methods and Practice (Greek tansl. I. Karali-Giannakopoulou, Kardamitsa publ., Athens)*  *Karali Lilian (2005) Environmental Archaeology, Kardamitsa publ., Athens*  *Branch, Nick et al, 2005, Environmental Archaeology, Theoretical and Practical Approaches Oxford University Press, Oxford & New York*  *- Related academic journals:* |