**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | Health Sciences | | | | |
| **ACADEMIC UNIT** | Department of Biological Applications and Technology | | | | |
| **LEVEL OF STUDIES** | Undergraduate course | | | | |
| **COURSE CODE** | ΒΕΕ814 | **SEMESTER** | | **8th** | |
| **COURSE TITLE** | Field Ecology | | | | |
| **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** |
| Lectures and laboratory exercises | | | 5 | | 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  Skills Development | | | | |
| **PREREQUISITE COURSES:** | General Ecology (BEY803), Biodiversity & Climate Change (BEY505). Participants are limited to 20 students. Regarding those who have passed BEY803 and BEY505, priority will be given to those in the Environmental stream in BET. | | | | |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | Greek | | | | |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** | English | | | | |
| **COURSE WEBSITE (URL)** | <https://ecourse.uoi.gr/course/view.php?id=633>  <https://www.youtube.com/watch?v=79EXbr1yk-s> (video) | | | | |

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* | |
| The purpose of the course is to teach ecological field methods with observation, sampling and monitoring in a natural environment. Students also learn how to recognize different types of organisms  Upon completion of the course, students will be able to:   * carry out the design, execution and analysis of a sampling program * have a basic knowledge of the organisms found in the field – birds, mammals, reptiles, amphibians, arthropods and plants. * operate with safety in the field | |
| **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…*  *…….* |
| * Working independently * Team work * Adapting to new situations * Respect for the natural environment | |

1. **SYLLABUS**

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| It includes 60 hours in total. It includes 6 days in mountain areas in Zagori (Ano Pedina), doing fieldwork under guidance. The students will stay at the UOI research station (PALASE) in Ano Pedina. The creation of a database and the analysis of data collected in Ano Pedina is carried out at PALASE or back in the university campus.  Course contents   * + Species identification in field   + Techniques for observation of organisms in the field: birdsong analysis, territory mapping, invertebrate trapping, trapping of small mammals, reptiles and amphibians.   + Principles of sampling and experimental field design   + Production, analysis and interpretation of ecological data   + Producing a diversity database   + Field safety |

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* | Use of IT in Laboratory Education, Electronic communication with students (E-course) Posting of lectures (powerpoint). Exercise Study Guides |
| **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 | 12 | | Lab work | 18 | | Tutorials | 20 | |  |  | |  |  | |  |  | |  |  | |  |  | | Independent work | 20 | | Course total | 70 | |
| **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.* | * Written individual final exam (35%) * Assessment of individuals in the field (30%) * Team building biodiversity database (15%) * Team oral presentation (20%) |

1. **ATTACHED BIBLIOGRAPHY**

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| *- Suggested bibliography:*  *- Related academic journals:*  W.J. Sutherland, Ecological Census Techniques (2006) Cambridge University Press. |