**SYLLABUS** (MODULE-ERASMUS+)

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| Course/module (as specified in the approved curriculum for the field of study)  **Nature conservation** | | | | | | ECTS  **3** | | Component code  **ENVI 3.2** | |
| Name in Polish  **Ochrona przyrody** | | | | | |
| Unit(-s) providing the course/module (Faculty, Institute/Department)  **Faculty of Environmental and Mechanical Engineering, Department of Ecology and Environmental Protection** | | | | | | | | | |
| Head of course/module (e-mail address)  **Agnieszka Ławniczak-Malińska, Prof. (**[**agnieszka.lawniczak@up.poznan.pl**](mailto:agnieszka.lawniczak@up.poznan.pl)**)** | | | | | | | | | |
| Other teachers  **Arlinda Cakaj, Msc** | | | | | | | | | |
| Course category  **Open** | | Language  **English** | | Level  **Bachelor/Master** | Profile  **Academic-general** | | Semester  **Summer** | | |
| **TYPE OF CLASSES/LECTURES AND THE NUMBER OF HOURS**  (organised classes/lectures and self-study) | | | | | | | | | |
| Type of studies: full-time | | |  | Type of studies: extramural | | | | |  |
| * lectures | | | 10 | * lectures | | | | | - |
| * practical classes | | | 10 | * practical classes | | | | | - |
| * field exercise | | |  | * field exercise | | | | | - |
| * other lessons | | | - | * other lessons | | | | | - |
| * self-study | | | 55 | * self-study | | | | | - |
| Total number of hours: | | | 75 | Total number of hours: | | | | | - |
| **PRE-REQUSITES**  Basics of environmental sciences. | | | | | | | | | |
| **OBJECTIVE OF COURSE/MODULE**  The aim of this course is to shown possibility to apply ecological theory and assessment in nature protection and management of different types of ecosystems. Ecological background of nature protection aspects. | | | | | | | | | |
| **TEACHING METHODS**  Lectures, tutorials, field trip. Possibility to use distance learning tools and techniques. | | | | | | | | | |
| **LEARNING OUTCOMES** | | | | | | | Reference  to field outcomes | | |
| Knowledge | O1: Students will have advanced knowledge in selected areas of biology, chemistry and physics adjusted to requirements of environmental engineering. | | | | | | Not  applicable | | |
| Skills | O2: Students will have skills to receive information from various sources and data bases, as well as to integrate obtained knowledge,  O3: Students will be able to work by themselves as well as in the groups, to manage small group to realize the planned goals. | | | | | | Not  applicable | | |
| Social  competences | O4: Students will understand an importance of social and ethical responsibility for environmental status,  O5: Students will understand the need of formulating and spreading rules of sustainable development, including importance of environmental engineering. | | | | | | Not  applicable | | |
| **METHODS TO VERIFY LEARNING OUTCOMES**  Exam  Project  Presentations | | | | | | | Outcome Reference  Numbers  O1,  O2, O3,  O4, O5, | | |
| **TEACHING CONTENT**  **Lectures**: Ecological aspects of nature – basic definitions and history of nature conservation. Characteristics of ecosystems with using parameters defining the state of certain elements of the nature. Processes defining ecosystems and mass and energy flows. International law on nature protection. The most threatened areas in the world. Ways of protections and development of the most endangered habitats. Endangered species and their protection at the international scale.  **Practical classes:** Nature protection in practice. Protected areas in the world. Protected species.  **Field trip:** Endangered habitat and species in Poland. Ways of protection of areas where endangered species occurred. | | | | | | | | | |
| **Forms and criteria for passing of course/module**  Presentations/projects  Exam | | | | | | | Percentage of final mark  30%  70% | | |
| **LIST OF LITERATURE**   1. Newman E.I. 2000. Applied ecology and environmental management. Wley-Blackwell Publisher. 2. McPherson G.R., DeStefano S. 2002. Applied ecology and natural resource management., Cambridge Publisher. | | | | | | | | | |