

## COURSE DESCRIPTION CARD

Faculty of Civil Engineering and Environmental Sciences									
Field of study								Degree level and programme type	
Specialization / diploma path								Study profile	
Course name	Management of Natura 2000 habitats in forest areas							Course code	IS-FF-00045S/W
								Course type	Erasmus
Forms and number of hours of tuition	L	C	LC	P	SW	FW	S	Semester	summer or winter
	15			20				No. of ECTS credits	4
Entry requirements	Ecology, Nature protection or conservation								
Course objectives	Obtaining knowledge on the legal fundamentals and principles of management of Natura 2000 habitats in forest areas. Understanding the rules of forest management under conditions of the Birds and Habitats Directives. Obtaining knowledge on planning of nature conservation and protection in Natura 2000 forest sites. Developing skills of assessing the protective status of conservation objects as well as technical designing of conservation measures.								
Course content	Lecture: Birds and Habitats Directives as legal fundamentals for Natura 2000 network. Scope and principles of updating the Standard Data Form. Planning the conservation protection in forest areas. The principles of protection plans. Methods for assessing the status of natural forest habitats and species in accordance with the guidelines of the State Environmental Monitoring. Rules and methods for the protection of natural habitats and species in forest areas. Technical design and cost estimation of protective measures. Environmental impact assessment and environmental compensation. Project: The scope and rules for updating the standard data form. Principles for developing a protection plan for the Natura 2000 site. Methods of assessing the status of natural forest habitats and species in accordance with the guidelines of the State Environmental Monitoring. Rules and methods of the protection of natural habitats and species in forest areas. Technical design and costing of protective measures, assessment of their effectiveness.								
Teaching methods	Lecture, exercises, presentation								
Assessment method	Lecture - written tests; project - project and report evaluation								
Symbol of learning outcome	Learning outcomes							Reference to the learning outcomes for the field of study	
L01	The student knows the methods of threat assessment for species and natural habitats as well as the methods of nature protection							L1P_W05	
L02	Student describes and explains the principles of creating and implementing protection plans for Natura 2000 areas.							L1P_W13	
L03	Student calculates and identifies the most common natural habitats in the region as well as plant and animal species listed in the Annexes to the Habitats Directive and chooses the appropriate methods for their protection.							L1P_U17	

<b>L04</b>	Student assesses threats and conservation status of species and natural habitats in accordance with the methodology as well as functioning of Natura 2000 sites in forest areas	L1P_U17	
<b>L05</b>	The student is able to technically design of protective procedures according to the needs and assess their effectiveness.	L1P_U07, L1P_U17	
<b>L06</b>	Student is able to assess the forester's social, professional and ethical responsibility for the state of species and natural habitats in forest areas	L1P_K02, L1P_U07	
<b>Symbol of learning outcome</b>	<b>Methods of assessing the learning outcomes</b>	<b>Type of tuition during which the outcome is assessed</b>	
<b>L01</b>	final test for lectures, project and reports evaluation	L, P	
<b>L02</b>	final test for lectures, project and reports evaluation	L, P	
<b>L03</b>	final test for lectures, project and reports evaluation	L, P	
<b>L04</b>	project and reports evaluation	P	
<b>L05</b>	project and reports evaluation	P	
<b>L06</b>	project and reports evaluation	P	
<b>Student workload (in hours)</b>		<b>No. of hours</b>	
<b>Calculation</b>	Participation in the lectures	15	
	Participation in the project classes	20	
	Participation in consultations	15	
	Preparation of projects and reports	20	
	Preparation for passing the final test	15	
	<b>Total:</b>	85	
<b>Quantitative indicators</b>		<b>Hours</b>	<b>No. of ECTS credits</b>
<b>Student workload – activities that require direct teacher participation</b>		50	2
<b>Student workload – practical activities</b>		45	1,8
<b>Basic references</b>	Alexander M. 2015. A Management Planning Guide. CMS Consortium, Talgarth, Wales, UK. (www.esdm.co.uk/cms) Management of Natura 2000 Habitats (https://ec.europa.eu/environment/nature/natura2000/management/habitats/models_en.htm)		
<b>Supplementary references</b>	Farming for Natura 2000. Guidance on how to support Natura 2000 farming systems to achieve conservation objectives, based on Member States good practice experiences. Publications Office of the European Union, Luxembourg, 2018		
<b>Organisational unit conducting the course</b>	Faculty of Civil Engineering and Environmental Sciences	<b>Date of issuing the programme</b>	
<b>Author of the programme</b>	Dan Wołkowycki, PhD Joanna Pietrzak-Zawadka, PhD	01.10.2019	

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work, S – seminar