COURSE DESCRIPTION CARD

<table>
<tr><td colspan="10">Faculty of Civil Engineering and Environmental Sciences</td></tr>
<tr><td>Field of study</td><td colspan="5"></td><td colspan="2">Degree level and programme type</td><td>MSc.</td></tr>
<tr><td>Specialization / diploma path</td><td colspan="5"></td><td colspan="2">Study profile</td><td>Practical profile</td></tr>
<tr><td rowspan="2">Course name</td><td colspan="5" rowspan="2">Forest management in valuable natural areas</td><td colspan="2">Course code</td><td>IS-FF-00041W</td></tr>
<tr><td colspan="2">Course type</td><td>Erasmus</td></tr>
<tr><td rowspan="2">Forms and number of hours of tuition</td><td>L</td><td>C</td><td>LC</td><td>P</td><td>SW</td><td>FW</td><td>S</td><td colspan="2">Semester</td><td>Winter</td></tr>
<tr><td>15</td><td></td><td></td><td>15</td><td></td><td>10</td><td></td><td colspan="2">No. of ECTS credits</td><td>3</td></tr>
<tr><td>Entry requirements</td><td colspan="9">Ecology, Nature protection</td></tr>
<tr><td>Course objectives</td><td colspan="9">The aim of the course is to combine forest protection principles with forest ecology and nature protection in valuable natural areas. The subject is designed to learn the possibilities of restoring the functions of forest ecosystems, methods of reclamation and protection of habitats, plant communities and related animals, the possibility of conducting an economy taking into account natural processes as well as familiarizing students with good practices in forest management for the protection of forest ecosystems.</td></tr>
<tr><td>Course content</td><td colspan="9">Legal basis for the protection of forest ecosystems in Poland and Europe. Fundamentals of stability of forest ecosystems with various forest management methods. Principles of forest ecosystem protection. Seeking a consensus between economic interests and nature conservation in anthropogenic changed forests and forests of varying degrees of naturalness. Ecological consequences of anthropogenic transformations of forest ecosystems. The impact of modern forest management on the components of forest ecosystems. Techniques for restoring a near-natural state of degenerated and distorted forest ecosystems.</td></tr>
<tr><td>Teaching methods</td><td colspan="9">Lecture, exercises, presentation</td></tr>
<tr><td>Assessment method</td><td colspan="9">Lecture - written tests; project, field workshop - project and report evaluation</td></tr>
<tr><td>Symbol of learning outcome</td><td colspan="7">Learning outcomes</td><td colspan="2">Reference to the learning outcomes for the field of study</td></tr>
<tr><td>LO1</td><td colspan="7">The student knows extended knowledge of the law on the protection of forest ecosystems in Poland and Europe.</td><td colspan="2">L2P_W02, L2P_W10</td></tr>
<tr><td>LO2</td><td colspan="7">The student has in-depth knowledge of the role and importance of the natural environment and the sustainable use of biological diversity and its threats.</td><td colspan="2">L2P_W05</td></tr>
<tr><td>LO3</td><td colspan="7">The student is able to choose techniques for restoring a near-natural state of degenerated and distorted forest ecosystems.</td><td colspan="2">L2P_U06</td></tr>
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LO4	Student is able to assess and plan tasks related to the functioning of forest ecosystems, taking into account sustainability criteria.	L2P_U04
Symbol of learning outcome	**Methods of assessing the learning outcomes**	**Type of tuition during which the outcome is assessed**
LO1	final test for lectures	L
LO2	final test for lectures	L
LO3	project and reports evaluation	P, FW
LO4	project and reports evaluation	P, FW
Student workload (in hours)		**No. of hours**
Calculation	Participation in the lectures	15
	Participation in the project classes	15
	Participation in consultations	15
	Preparation of projects and reports	15
	Preparation for passing the final test	5
	Preparation of the report of fieldwork	5
	Preparation of presentation	10
	Total:	80
Quantitative indicators	**Hours**	**No. of ECTS credits**
Student workload – activities that require direct teacher participation	50	2
Student workload – practical activities	60	2
Basic references	Fryxell J. M., Sinclair A. R. E., Caughley G. 2014. Wildlife Ecology, Conservation, and Management. Wiley Blackwell Silvy N. J. (ed.) 2012. The Wildlife Techniques Manual (Volume 1: Research/ Volume 2: Management). John Hopkins University Press	
Supplementary references	Krausman P. R., Cain J. W. (eds.) 2013. Wildlife Management and Conservation: Contemporary Principles and Practices	
Organisational unit conducting the course	Faculty of Civil Engineering and Environmental Sciences	**Date of issuing the programme**
Author of the programme	Dan Wołkowycki, PhD	01.03.2020

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