COURSE DESCRIPTION CARD

Faculty of Civil Engineering and Environmental Sciences									
Field of study								**Degree level and programme type**	
Specialization/ diploma path								**Study profile**	**Academic profile**
Course name	**Nature conservation**							**Course code**	**IS-FCEE-00024-1S**
								Course type	**Erasmus**
Forms and number of hours of tuition	**L**	**C**	**LC**	**P**	**SW**	**FW**	**S**	**Semester**	**Summer**
	15				**15**			**No. of ECTS credits**	**4**
Entry requirements	**Biology, Ecology, Vegetation, Nature 2000**								
Course objectives	Taking students through the basic forms of nature conservation in Europe and Poland and the principles of their creation and the methods of protection of natural resources. Developing skills in assessment of the value of natural resources and existing hazards of the forms of nature conservation and species and habitats functioning.								
Course content	Definition of the basic forms of nature conservation in Europe and Poland and the principles of their creation. The basic methods of protection of natural resources and protection of biological diversity. Protection of plant and animal species. Inventarisation and assessment of the value of natural resources. The rules for creating individual forms of nature conservation and species and habitats functioning. The existing hazards of the forms of nature conservation.								
Teaching methods	Lecture - presentation, the specialization workshop - presentation, discussion								
Assessment method	Lecture - Exam; the specialization workshop - a description and discussion of the presentation								
Symbol of learning outcome	**Learning outcomes**								**Reference to the learning outcomes for the field of study**
LO1	The student has knowledge of the basic forms of nature conservation in Europe and Poland and the principles of their creation								K_W03, K_W11
LO2	The student has knowledge of the basic methods of protection of natural resources and protection of biological diversity								K_W03, K_W11
LO3	The student is able to plan basic conservation measures for selected components of nature								K_W06, K_U07

LO4	The student is able to make field studies on selected components of natural environment and to estimate the ecological values of protected areas	K_W06, K_U07
LO5	The student recognizes and understands the relationship between the value of natural resources and the existing hazards of the forms of nature conservation	K_W05, K_W18, K_U18, K_U22
LO6	student can prepare documentation for low protection of selected natural resources	K_U05, K_U07
Symbol of learning outcome	**Methods of assessing the learning outcomes**	**Type of tuition during which the outcome is assessed**
LO1	tests on lecture content, student's reports, discussion, description of presentation	lecture, presentation consultation
LO2	evaluating the student's reports and preparation for the classes, tests on lecture content, discussion, description of presentation	lecture, presentation consultation
LO3	evaluating the student's reports and preparation for the classes, tests on lecture content, discussion, description of presentation	lecture, presentation consultation
LO4	tests on lecture content, student's reports, discussion, description of presentation	lecture, presentation consultation
LO5	evaluating the student's reports and preparation for the classes, discussion, description of presentation	presentation
LO6	discussion, description of presentation	presentation

Student workload (in hours)		**No. of hours**
Calculation	lecture attendance	**15**
	participation in classes, in presentation	**15**
	participation in student-teacher sessions related to the class/ presentation	**10**
	preparation for classes, presentation	**15**
	work on presentation, reports, etc	**15**
	implementation of presentation tasks	**15**
	preparation and participation in exams	**10**
	TOTAL:	**95**

Quantitative indicators	**HOURS**	**No. of ECTS credits**
Student workload – activities that require direct teacher participation	**50**	**2**
Student workload – practical activities	**45**	**2**

Basic references	1) Primack R.B: A primer of conservation biology. Sinauer Associates, 2008. 2) Symonides E.: Nature conservation. Wyd. Uniwersytetu Warszawskiego, Warszawa, 2014. 3) Pullin A.S.: Biological foundations of nature conservation. Wyd. Naukowe PWN, Warszawa, 2013. 4) Weiner J.: Biosphere life and evolution. PWN, Warszawa, 2008.
Supplementary references	1) Obidziński A. (ed.): Inventarisation and valorisation of the natural resources. Wyd. SGGW, Warszawa, 2017. 2) Pawlaczyk P. & Jermaczek A.: A guide to local nature conservation. Wyd. Klubu Przyr., Świebodzin, 2009. 3) Yearbook of Environmental Protection. GUS,

	Warszawa, 2017. 4) Pawlaczyk P. et al.: A swamp protection guide. Wyd. Lubuskiego Klubu Przyrodników, Świebodzin, 2001.	
Organisational unit conducting the course	**Department of Agri-Food Engineering and Environmental Management**	**Date of issuing the programme**
Author of the programme	**Assoc. Prof. Grażyna Łaska, DSc, PhD**	**12-03-2021**

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