

SYLABUS

Nazwa przedmiotu/ Course title	Ecology and nature conservation
Nazwa jednostki prowadzącej przedmiot/Unit name	Institute of Nature Conservation PAS
Kierunek studiów/Field of study	Doctoral School of Natural and Agricultural Sciences
Forma studiów/Type of study	Stationary
Rodzaj przedmiotu/ Course type	Mandatory
Rok i semestr studiów/Year and semester	Winter semester 2023/2024
Stopień, imię i nazwisko koordynatora przedmiotu/ Name of co-ordinator	Dr hab. Piotr Skórka
Stopień, imię i nazwisko osoby prowadzącej (osób prowadzących) zajęcia z przedmiotu/ Degree, name and surname of person(s) teaching the course	According to the schedule of classes
Forma(y) zajęć, liczba realizowanych godzin/ Type of course, number of hours	Lectures, seminars, 15 hour per semester
Cele przedmiotu/Aim of the course	
Basic understanding links between ecology and nature conservation	
Wymagania wstępne/ Requirements	Basic knowledge in biology and ecology at the 2 nd level of the studies.
Efekty kształcenia/ Effects of education	<p><u>Wiedza/Knowledge:</u> A doctoral candidate, based on his knowledge, will be able to characterize the basic problems of nature protection in the world and in Poland. She/he will be able to distinguish between ecological indicators of biodiversity such as species richness, genetic diversity, phylogenetic diversity, functional diversity and determine which one is important in the practical actions of nature protection.</p> <p><u>Umiejętności/Skills:</u> Knowledge of the biological basis of nature protection. Understanding the processes that lead to the emergence of biodiversity at various spatial and temporal scales</p> <p><u>Kompetencje społeczne/Attitudes:</u> An assessment of the form and value of discussions and prepared materials will be conducted. Learning to discuss current issues of nature protection on a local and global scale. The PhD student will acquire the ability to explain and present arguments why nature protection is important.</p>
Treści programowe / Program content	
<p>The course includes:</p> <ol style="list-style-type: none"> 1. An attempt to find a coherent definition of nature protection. 2. Biodiversity components and their interrelationships. 3. Identification of global threats to biodiversity. 4. Using open data sources to solve ecological problems and find solutions in nature conservation. 	

Metody dydaktyczne/ Teaching methods	Lecture with multimedia presentation - an orderly presentation of issues related to ecology and nature protection. Presentation of scientific tools used in selected problems of nature protection Exercises/discussions - learning how to use open databases to solve ecological problems. Systematic discussion panel on current and hot topic in ecology and nature conservation. Learning how to prepare a report in the form of a scientific publication on a selected topic.
Sposób(y) i forma(y) zaliczenia / Evaluation	Credit for a grade. The condition of passing the course is participation in exercises and lectures, as well as making a report from the conducted research. Moreover, the final exam will be in form of a test.
Metody i kryteria oceny/ Methods and criteria of assessment	Final credit from the material presented in lectures and exercises; presenting an essay on a selected topic; continuous assessment during classes (scoring points in each class), grade from notes prepared by the PhD student and activity in the discussion during exercises.
Całkowity nakład pracy studenta potrzebny do osiągnięcia założonych efektów w godzinach oraz punktach ECTS / Total student workload needed to achieve the assumed effects in hours and in ECTS credits	Participation in lectures (5 hours); Participation in exercises (10 h). Individual preparation for classes - the PhD candidate is working on selected fragments of the report included in the publication (10 h) Self-preparing to pass exam (10 h) Participation in the exam (1 h). 1 ECTS
Język wykładowy/ Language	English
Praktyki zawodowe w ramach przedmiotu / Internship as part of the subject	-
Literatura /Literature	Basic literature: 1. Sutherland, W.J., Fleishman, E., Mascia, M.B., Pretty, J. and Rudd, M.A., 2011, Methods for collaboratively identifying research priorities and emerging issues in science and policy, <i>Methods in Ecology and Evolution</i> , 2, 238–247. 2. Culina A., Baglioni, M., Crowther, T.W. et al. 2018. Navigating the unfolding open data landscape in ecology and evolution. <i>Nature Ecology and Evolution</i> 2, 420–426. 3. Pullin A.A. 2004. <i>Conservation Biology (Biologiczne podstawy ochrony przyrody)</i> . PWN, Warszawa.
Podpis koordynatora przedmiotu/ Signature of co- ordinator	Dr hab. Piotr Skórka

Podpis kierownik Szkoły
Doktorskiej/ Signature of
the Head of Doctoral School

Dr hab. Grażyna Szarek-Łukaszewska

Exam rules

1. The exam starts after finishing the course
2. The exam is conducted by the lecturer.
3. The exam protocol is in the form of a test.
4. The examination test contains open and closed questions - single or multiple choice points according to the rules:
 - a) 2 points are awarded for answering an open question;
 - b) 1 point for answering a single-choice question;
 - c) for the answer to the question that has been awarded, there is 0.5 point for each partial answer.
5. The grade for the results obtained from the sum of points obtained in the examination test and determined on the basis of the principles:

Percentage share of points (%) achievable.	Grade	
	Oral	Figure
91 – 100	excellent (bdb)	5,0
81 – 90	very good (p.db)	4,5
71 – 80	good (db)	4,0
61 – 70	fairly good (p.dst)	3,5
55 – 60	acceptabe (dst)	3,0
0 – 54	unacceptabe (ndst)	2,0

6. Unexcused absence from the exam results in receiving a grade of "2.0" (unacceptable).
7. The exam is passed if 55% of the total points possible is obtained.
8. Positive exam grades cannot be improved to a higher grade.
9. If a doctoral student receives an unsatisfactory grade in an examination, he or she is entitled to only one re-sit examination during the academic year (see Regulations for doctoral studies).
10. The grade is entered into the student's index book by the person conducting the examination.