

Course code:

Plan position:

1. INFORMATION ABOUT THE COURSE

A. Basic information

Name of course	Environmental protection and management
Field of studies	
Level of studies	
Profile of studies	Practical
Form of studies	Stationary
Specialty	-
Unit responsible for the field of studies	Faculty of Animal Breeding and Biology
Name and academic degree of teacher(s)	Kirkiłło-Stacewicz Krzysztof, PhD
Introductory courses	Ecology
Introductory requirements	Basic knowledge of ecology, biodiversity and priorities in environmental protection

B. Semester/week schedule of classes

Semester	Lectures (W)	Auditorium classes (Ć)	Laboratory classes (L)	Project classes (P)	Seminar (S)	Field classes (T)	Number of ECTS points
Winter / summer		25					5

2. LEARNING OUTCOME

No.	Learning outcomes description	The reference to the learning outcomes of specific field of study	The reference to the learning outcomes for the area
KNOWLEDGE			
W1	Student knows the economic aspects and the basic legal issues related to environmental protection. He knows how to preserve biodiversity. He understands anthropogenic and natural causes of climate change		
SKILLS			
U1	Student knows the strengths and weaknesses of specific technologies and formulates the hopes and fears associated with the development of science and technology in the context of environmental protection		
U2	He has the ability to analyse and evaluate environmental management systems at the local scale, also in economic terms.		

SOCIAL COMPETENCES			
K1	Student takes rational decisions in the field of environmental protection, harmoniously combining the social, economic and natural issues. He is sensitized to the unequal distribution and use of resources in the world.		

3. TEACHING METHODS

multimedia presentations, films, articles

4. METHODS OF EXAMINATION

presentation, colloquium

5. SCOPE

Auditorium classes	Environmental protection as a societal concern. Environmental awareness, education and environmental ethics in Poland and in the world. Promoting "Green" Consumer Behaviour. Effects of environmental pollution. Environmental laws. Environmental protection and the global community. Water – meaning, pollution, pollutants, sediments, pathogens, algal blooms, wetlands, drinking water, the quality, and management of water resources. Air – air pollution, smog, acid rain, ozone, air quality. Ecosystems – biodiversity loss and its impact on ecosystem stability and services, invasive species, ecosystem diversity, ecosystem protection, assessment of human impact on the functioning of the forest ecosystem. Climate change – greenhouse effect, carbon footprint. Waste - the waste management system as a part of environmental strategy, recycling, The Built Environment. Environmental justice. Environmental protection and the economy – economic tools to protect the environment. A survey of residents' opinions on the state of the environment and strategies within the region - a draft questionnaire.
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6. METHODS OF VERIFICATION OF LEARNING OUTCOMES

LEARNING OUTCOME	Form of assessment					
	Oral examination	Written exam	Colloquium	Project	Presentation
W1			x		x	
U1			x		x	
U2			x		x	
K1			x		x	

7. LITERATURE

Basic literature	Baldwin V. Environmental protection and management. Murphy & Moore Pub, 2022. Hill P. Environmental Protection: What Everyone Needs to Know. Oxford University Press, 2017.
Supplementary literature	Baldwin J. H. Environmental planning and management. Routledge, 2019.

8. TOTAL STUDENT WORKLOAD REQUIRED TO ACHIEVE EXPECTED LEARNING OUTCOMES EXPRESSED IN TIME AND ECTS CREDITS

Student's activity	Student workload– number of hours
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Classes conducted under a direct supervision of an academic teacher or other persons responsible for classes	Participation in classes indicated in point 1B	25
	Supervision hours	5
Student's own work	Preparation for classes	25
	Reading assignments	40
	Other (preparation for exams, tests, carrying out a project etc)	30
Total student workload		125
Number of ECTS points		5