

COURSE OFFERED

Name of the course	Polish	Antropopresja w środowisku przyrodniczym
	English	<i>Anthropopression in the Natural Environment</i>

1. LOCATION OF THE COURSE OF STUDY WITHIN THE EDUCATION SYSTEM

1.1. Section¹	Section of Exact and Natural Sciences
1.2. Discipline²	Earth and related Environmental Sciences
1.3. Type of education	stationary
1.4. Level of education	DOCTORAL SCHOOL
1.5. Person preparing the course description	Dr hab. Rafał Kozłowski
1.6. Contact	rafal.kozlowski@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Type of course³	specialized subjects in the discipline
2.2. Language of the course	English

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Type of classes⁴	lecture	
3.2. The number of hours⁵	15h	
3.3. Location of classes	Classes in the UJK teaching room , Institute of Geography and Environmental Sciences	
3.4. Type of assessment	pass with grade	
3.5. Didactic methods	Verbal method, case study	
3.6. Literature	basic	The European environment — state and outlook 2020. Knowledge for transition to a sustainable Europe. Luxembourg: Publications Office of the European Union, 2019. doi: 10.2800/96749 Detailed list of required literature (scientific articles) will be available during classes.
	supplementary	EEA-JRC Report, 2025. Zero pollution monitoring and outlook 2025, European Environment Agency, Luxembourg: Publications Office of the European Union, DOI:10.2800/6470682 EEA core set of indicators — Guide (EEA Technical report No 1/2005 — ISSN 1725-2237) Luxembourg: Office for Official Publications of the European Communities 2005 https://www.eea.europa.eu/en

¹ Section of Humanities:, Social Sciences, Section of Exact and Natural Sciences, Section of Medical and Health Sciences, Section of Arts.

² History,Linguistics, Literary Studies, Medical Sciences, Health Sciences, Political and Administrative Sciences, Legal Sciences, Security Sciences, Pedagogy, Communication and Media Studies, Management and Quality Studies, Biological Sciences, Chemical Sciences, Physical Sciences, Earth and related Environmental Sciences, Visual Arts and Artwork Conservation, Musical Arts.

³ General courses, domain specific subjects in the section, disciplinary subjects in the sections, specialized subjects in the discipline.

⁴ Classes, lecture, seminar.

⁵ Consistent with the education program at the Doctoral School Jan Kochanowski University in Kielce.

		https://www.unep.org/resources/assessment/part-state-global-environment
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4. OBJECTIVES, SYLLABUS CONTENT AND INTENDEND LEARNING OUTCOMES

<p>4.1. Course objectives (including the form of classes)</p> <p>C01 – presenting anthropogenic factors affecting nature to the PhD Student</p> <p>C02 – presenting spatial intensity of anthropogenic phenomena at various levels, both in the country and worldwide</p> <p>C03 – presenting examples of human impact on the natural environment</p> <p>C04 – presenting activities aimed at reducing the effects of anthropogenic pressure in the natural environment</p>
<p>4.2. Syllabus content</p> <p>Air, water, soil pollution. Trace elements. Acidification. Alkalization. Bioaccumulation. Bio- and ge indicators. Anthropogenic impact on forest ecosystems.</p>

5. SUBJECT LEARNING OUTCOMES

Learning outcomes	A doctoral student who has passed the subject:	Reference to the learning outcomes of Doctoral School (according to the training program at the Doctoral School)
in the area of KNOWLEDGE:		
W01	The doctoral student possesses in-depth knowledge of the impact of human activity on the natural environment	SD_W01
W02	The doctoral student has advanced knowledge of development trends in disciplines related to the research theme being pursued	SD_W02
in the area of SKILLS:		
U01	The doctoral student can define the goal and subject of research activities, as well as formulate research hypotheses in the discipline where the doctoral dissertation is being prepare	SD_U01
U02	The doctoral student is able to use knowledge from various scientific disciplines to identify, formulate and creatively solve complex problems related to the functioning of ecosystems.	SD_U03
in the area of SOCIAL COMPETENCE:		
K01	The doctoral demonstrates entrepreneurial thinking and actively takes initiative.	SD_K04

6. METHODS OF ASSESSMENT OF THE INTENDED LEARNING OUTCOMES

	METHOD OF ASSESSMENT (+/-)
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SUBJECT LEARNING OUTCOMES	Oral/written exam			Kolokwium			Project			activity on exercises			Own work			Group work			Others		
	<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>			<i>The type of classes</i>		
	L	E	S	L	E	S	L	E	S	L	E	S	L	E	S	L	E	S	L	E	S
W01										X			X								
W02										X			X								
U01										X			X								
U02										X			X								
K01										X			X								
K02										X			X								

7. CRITERIA OF ASSESSMENT OF THE INTENDED LEARNING OUTCOMES

Form of classes	Grade	Criterion of assessment
Lecture (L) ⁶	3,0	Achieving 51-60% possible points from activity on exercises and own work
	3,5	Achieving 61-70% possible points from activity on exercises and own work
	4,0	Achieving 71-80% possible points from activity on exercises and own work
	4,5	Achieving 81-90% possible points from activity on exercises and own work
	5,0	Achieving 91-100% possible points from activity on exercises and own work

Accepted for execution

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⁶ Niepotrzebne usunąć.