

Subject card

Subject name and code	Anthropogenic conversion of land ecosystems, PG_00103529						
Field of study	Environmental Protection						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2027/2028	
Education level	Bachelor's studies		Subject group			Optional subject group	
Mode of study	full-time studies		Mode of delivery			at the university	
Year of study	3		Language of instruction			Polish	
Semester of study	5		ECTS credits			1.0	
Learning profile	academic		Assessment form				
Conducting unit	Laboratory of Geobotanics and Nature Conservation -> Department of Plant Taxonomy and Nature Conservation -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Renata Afranowicz-Cieślak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	15.0	0.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		2.0		8.0	25
Subject objectives	- Understanding the cause and effect relationships between human activities and changes in nature. - Knowledge of changes in terrestrial nature caused by anthropopressure and the ability to determine the causes and mechanisms of these changes. - Familiarization with research methods for changes in terrestrial ecosystems.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[OŚL3_K05] Identifies the level of her/his knowledge and skills, demonstrates the need to update knowledge about the environment and its protection, demonstrates the need for continuous professional training and personal development.	- sees the need for continuous professional education, updating knowledge about the environment and personal development	[SK8] observation of student's independent or team work
	[OŚL3_K01] Behaves in a professional manner at all times; bears full responsibility for the actions taken relating to the protection of the environment and respects the principles of professional ethics and principles of intellectual honesty.	- performs a critical self-assessment of one's own competences	[SK8] observation of student's independent or team work
	[OŚL3_W09] Describes the basic methods, techniques and tools that allow the rational use, shaping and restoration of natural resources.	- knows the basic methods, techniques and tools for learning about changes in nature	[SW3] text preparation/written work
	[OŚL3_W05] Explains the course of natural and anthropopressional physical, chemical and biological processes and phenomena occurring in nature at various levels of matter organisation.	- has and uses knowledge of biology, ecology and other natural sciences in the description of basic changes in nature - knows the relationship between the nature and intensity of changes in flora, fauna, ecosystems and landscapes and the forms of human activity in time and space - recognizes and explains the course of natural and anthropogenic-induced biological processes and phenomena occurring in nature at various levels of its organization	[SW3] text preparation/written work
	[OŚL3_W08] Explains the mechanisms of economic and consumer pressure on the environment and recognises the possibilities of reducing it using the latest knowledge and scientific achievements.	- determines and distinguishes the effects of various forms of anthropopressure on nature, identifies their causes based on the visible effects of changes - characterizes the levels of biological diversity and interactions between organisms and the environment, recognizes disturbances in these interactions - assesses the state of preservation of natural and human-modified natural systems	[SW3] text preparation/written work
	[OŚL3_U04] Uses specialist language in the discussion and properly uses the nomenclature in the field of environmental protection and individual disciplines related to it.	- demonstrates the ability to make correct inferences based on data from various sources - assesses the functioning of natural and human-modified natural systems and determines the impact of anthropopressure on specific processes occurring in the natural environment - assesses the regenerative possibilities of animate and inanimate nature - correctly uses terminology in the field of ecology and other related disciplines	[SU3] text preparation/written work [SU6] demonstration of practical skills
Subject contents	Presentation of ecosystems with varying degrees of naturalness. Qualitative and spatial analysis of selected types of ecosystems. Analysis of cause-and-effect relationships of changes in selected ecosystems.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written work on selected issues	51.0%	100.0%

Recommended reading	Basic literature	Fudali E. 2009. Anthropogenic changes in ecosystems. Vegetation transformations. Ed. Univ. Przyr., Wrocław, 78 pp. Afranowicz-Cieślak R. 2011. The share and role of anthropophytes in the flora of tree stands in the agricultural landscape of Żuławy Wiślane. Acta Botanica Silesiaca 6: 153-166. Olaczek R. 1976. Changes in the plant cover of Poland from the mid-19th century to the present. Zesz. Problem Lent. Agricultural Sciences. 177.
	Supplementary literature	Faliński J.B., Adamowski W., Jackowiak B. 1998. Synanthropization of plant cover in new Polish research. Phytocoenosis 9: 1-279. Starkel L. 1991. Geography of Poland. The natural environment. Ed. PWN, Warsaw. Szafer W., Zarzycki. 1972. Plant cover of Poland. Vol. 1. PWN, Warsaw.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

Document generated electronically. Does not require a seal or signature.