

DESCRIPTION OF THE COURSE OF STUDY

Course code	0521-20Ś-B13-WZG	
Name of the course in	Polish	<i>Wybrane zagadnienia z geoekologii</i>
	English	<i>Selected issues in geoecology</i>

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

1.1. Field of study	Environmental Protection
1.2. Mode of study	Stationary
1.3. Level of study	Second Master's degree
1.4. Profile of study*	general academic
1.5. Person/s preparing the course description	dr Marcin Frączek
1.6. Contact	mfraczek@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Language of instruction	polish
2.2. Prerequisites*	Completed basic courses in physical geography: geomorphology, soil science and soil geography, hydrology and oceanography as well as meteorology and climatology.

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture, classes	
3.2. Place of classes	Classes in the classrooms of the University	
3.3. Form of assessment	Pass with a grade	
3.4. Teaching methods	Problem lecture and seminar, own work with materials prepared for classes, discussion, project using GIS methods	
3.5. Bibliography	Required reading	<i>Richling A., 1992, Kompleksowa geografia fizyczna, PWN, W-wa.</i> <i>Pietrzak M., 2011, Podstawy i zastosowania ekologii krajobrazu, Państwowa Wyższa Szkoła Zawodowa im. J.A. Komeńskiego, Leszno.</i> <i>Pietrzak M., 1998, Syntezy krajobrazowe. Założenia, problemy, zastosowanie. Bogucki Wyd. Nauk. Poznań</i>
	Further reading	<i>Bartkowski T., 1977, Metody badań geografii fizycznej, PWN, W-wa.</i> <i>Forman R.T.T., 1995, Some general principles of landscape and regional ecology, Landscape Ecology, 10, 3.</i> <i>Richling A., Solon J., 2002, Ekologia krajobrazu, PWN, W-wa</i>

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

<p>4.1. Course objectives (including form of classes)</p> <p>Lecture: C1. getting acquainted with the concepts and methods of comprehensive studies of the geographical environment</p> <p>Seminars: C2. developing the skill of valorization of the geographical environment - geodiversity C3. developing the awareness of the role of geographers in the study of geographical space and the protection of environmental diversity</p>
<p>4.2. Detailed syllabus (including form of classes)</p> <p>Lectures Concepts: geoecology, environmental geology, landscape ecology, sozology. Definition, meaning, place in the system of science. Landscape in a systemic approach: typology and regionalization of landscape: landscape evolution. Outline of the geology of Poland and the geology of the Świętokrzyskie Mountains. Perception of the environment and landscape. Landscape structure (patches, corridors, barriers). The concept and protection of geodiversity. The concept of creation, goals and importance of Geoparks. Extreme phenomena, man and transformations in the landscape.</p> <p>Classes Geoecological analysis of selected landscapes. Rock raw materials in the landscape, landscape potential in its aspects self-regulation-immune, resource-use and perceptual-behavioral; properties and functioning of forest, meadow-pasture, arable and fallow land ecosystems. Fields and methods of geological and palaeoecological research.</p>

4.3 Intended learning outcomes

Code	A student, who passed the course	Relation to learning outcomes
within the scope of KNOWLEDGE:		
W01	Explains the course of phenomena and processes as well as the relationships between the components of the natural environment on a local, regional and global scale, to the extent appropriate for a specific specialization, and defines the basic terms in the field of biogeography, geocology and zoology necessary to understand the course and analysis of contemporary changes in the natural environment.	OŠ1A-W01 OŠ1A-W02 OŠ1A-W03
W02	Discuss the subject literature on the causes, course and effects of changes in the geographical environment on a regional and global scale.	OŠ1A-W01 OŠ1A-W02 OŠ1A-W03
W03	It indicates the current natural and anthropogenic changes taking place in the geographical environment on a global scale and the related threats.	OŠ1A-W01 OŠ1A-W02 OŠ1A-W03
within the scope of ABILITIES:		
U01	The student is able to apply advanced techniques and research tools and fluently use the scientific literature in the field of environmental protection and related sciences.	OŠ1A-U01
U02	It shows the ways of limiting the negative human impact on individual components of the geographical environment on a local, regional and global scale	OŠ1A-U01
U03	Performs simple modeling procedures in the field of physical geography, as well as interprets and evaluates the obtained results	OŠ1A-U01
within the scope of SOCIAL COMPETENCE:		
K01	He is aware of the interaction between the world of nature and man, a responsible attitude towards himself and the world.	OŠ1A-K01
K02	He appreciates the role of geographical sciences and their constant development in learning, explaining and shaping the contemporary world.	OŠ1A-K01

4.4. Methods of assessment of the intended learning outcomes

Teaching outcomes (code)	Method of assessment (+/-)																							
	Exam oral/written*			Test*			Project*			Effort in class*			Self-study*			Group work*			Others* e.g. standardized test used in e-learning					
	Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes					
	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...			
W01				+				+							+			+						
W02				+				+							+			+						
W03				+				+							+			+						
U01				+				+							+			+						
U02				+				+							+			+						
U03				+				+							+			+						
K01				+				+							+			+						
K02				+				+							+			+						

*delete as appropriate

4.5. Criteria of assessment of the intended learning outcomes

Form of classes	Grade	Criterion of assessment
lecture (L)	3	Obtaining 51-60% of the total number of points possible to obtain at the test
	3,5	Obtaining 61-70% of the total number of points possible to obtain at the test
	4	Obtaining 71-80% of the total number of points possible to obtain at the test
	4,5	Obtaining 81-90% of the total number of points possible to obtain at the test
	5	Obtaining 91-100% of the total number of points possible to obtain at the test
classes (C)*	3	The student is able to delimit geoecological units and perform a simplified geodiversity analysis.
	3,5	The student is able to delimit geoecological units and perform geodiversity analysis.
	4	The student is able to delimit geo-ecological units and perform geodiversity analysis as well as carry out its characterization taking into account all geocomponents.

	4,5	The student carefully prepares maps of geoecological and geodiversity units without any technical comments.
	5	The student proposes individual, extended ways to characterize geodiversity in an exemplary technical and content-related manner by carrying out a project study in the field of geodiversity analysis of landscape types of terrain.

5. BALANCE OF ECTS CREDITS – STUDENT'S WORK INPUT

Category	Student's workload	
	Full-time studies	Extramural studies
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	60	
<i>Participation in lectures*</i>	30	
<i>Participation in classes, seminars, laboratories*</i>	30	
<i>Preparation in the exam/ final test*</i>		
<i>Others (please specify e.g. e-learning)*</i>		
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	40	
<i>Preparation for the lecture*</i>		
<i>Preparation for the classes, seminars, laboratories*</i>	15	
<i>Preparation for the exam/test*</i>	5	
<i>Gathering materials for the project/Internet query*</i>	20	
<i>Preparation of multimedia presentation</i>		
<i>Others *</i>		
TOTAL NUMBER OF HOURS	100	
ECTS credits for the course of study	4	

**delete as appropriate*

Accepted for execution (date and legible signatures of the teachers running the course in the given academic year)

.....