

DESCRIPTION OF THE COURSE OF STUDY

Course code		
Name of the course in	Polish	<i>Metody oceny i waloryzacji środowiska</i>
	English	<i>Methods of assessment and valorization of environment</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	Master's degree
1.4. Profile of study*	Second general academic
1.5. Person/s preparing the course description	prof. UJK dr hab. Maria Górską-Zabielska dr Małgorzata Strzyż
1.6. Contact	maria.gorska-zabielska@ujk.edu.pl tel. 41 349-64-35 malgorzata.strzyz1@ujk.edu.pl tel. 606-219-760

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Language of instruction	Polish, English
2.2. Prerequisites*	knowledge of the basics of environmental protection and landscape ecology, spatial planning and spatial development, landscape audit

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	lectures (30 h.), classes (30 h.)
3.2. Place of classes	classes in the teaching rooms of the University
3.3. Form of assessment	exam, credit with grade
3.4. Teaching methods	lecture: verbal methods (description), multimedia presentations, practical (own work, tasks to be done), discussion, seminar: independent work, talk
3.5. Bibliography	Required reading
	Further reading

Bajerowski T. (red.), 2007: Ocena i wycena krajobrazu. Wyd. Educaterra, Olsztyn, 165 s.

Bródka S. (red.), 2010: Praktyczne aspekty ocen środowiska przyrodniczego. Studia i Prace z geografii i geologii 4, Bogucki Wyd. Naukowe, 330 s.

Sołowiej D., 1992: Podstawy metodyki oceny środowiska przyrodniczego człowieka. Poznań. 1992. UAM. Poznań, 1-172.

Deja W., 1968: Ocena środowiska geograficznego dla potrzeb rolnictwa i planowania rolniczego na wybranych obszarach środkowej części Niziny Wielkopolskiej. PTPN. Prace Komisji Geograficzno-Geologicznej 9: 1-102.

Klimek K., Kotarba A., Obremska-Starkel B., Starkel L., 1969: Analiza i ocena środowiska geograficznego powiatu ropczyckiego (dla potrzeb planowania regionalnego). Dokumentacja Geograficzna 2/3: 1-136.

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

4.1. Course objectives (including form of classes)
C1 - gaining knowledge on the methods of landscape valorization
C2 - gaining knowledge of ecological aspects of landscape management and methods of selecting the most advantageous management methods
C3 - acquiring skills related to the methods of acquiring, processing and transferring data about the area
4.2. Detailed syllabus (including form of classes)
Lectures
Assessment and valorization - definitions (2 hours)
Methods of assessment and valorization of the natural environment (2 hours)
Recommendations on environmental impact assessment - taking into account the requirements of the Act of 3.10.2008 (2 hours.)
Environmental impact assessment procedure for planned projects - step by step (2 hours)

Valuation analysis - application examples (2 hours)
 Geodiversity assessment strategy (2 hours)
 Qualitative assessment of abiotic objects using the expert method (2 hours)
 Assessment of the environment of selected regions in Poland for the development of soft sectors of the economy - case studies (6 hours)
 Decision on the environmental conditions of the consent for the implementation of the project (2 hours)
 Environmental requirements for the implementation of the investment (4 hours)
 Procedure for public participation in making environmental decisions (4 hours)

Classes

Sources of information about the environment (2 hours),
 landscape as a visual aspect of the environment (2 hours),
 procedures for accessing databases (2 hours),
 methods of presenting environmental data (2 hours),
 environmental evaluation systems (2 hours),
 landscape evaluation (2 hours),
 determination of homogeneous areas in terms of landscape value (Bajerowski's matrix method based on the analysis of topographic maps), the Wejchert impression curve method (based on the analysis of the observer's emotional experiences) (2 hours),
 the WNET method et al. (2 hours),
 the use of selected landscape assessment methods on the examples (2 hours),
 acquiring information about the environment (2 hours),
 creating studies on the multi-directional use of the analyzed areas (2 hours),
 discussion of the methods of assessing the state of the environment (2 hours)
 the use of the Leopold matrix to determine the environmental impact of an object (2 hours)
 the valuation method and its application (2 hours)
 the use of computer systems in the valorization of the environment (2 hours).

4.3 Intended learning outcomes

Code	A student, who passed the course	Relation to learning outcomes
within the scope of KNOWLEDGE:		
W08	understands issues related to environmental protection and pollution, analyzes in-depth natural phenomena and processes, in a spatial and temporal system, and in their interpretation for cognitive and practical needs is based on the results of empirical research, including field and laboratory tests	OS2A_W08
within the scope of ABILITIES:		
U06	has the ability to use the known research methods to assess the state and threats of the environment and to perform the basis of its analysis for the needs of environmental management at the local and regional level, creating critical studies in the field of environmental protection using correct documentation, preparing reports and guidelines for expertise based on the collected data, research and others materials	OS2A-U06
within the scope of SOCIAL COMPETENCE:		
K01	the graduate is ready to explain and promote the role of ecological and health education, initiate appropriate behavior towards the natural environment	OS2A-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					
	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...
W08	+				+						+			+							
U06	+				+						+			+							
K01	+				+						+			+							

*delete as appropriate

4.5. Criteria of assessment of the intended learning outcomes		
Form of classes	Grade	Criterion of assessment
lecture (L) (including e-learning)	3	Obtaining from 51% - 60% of the total number of points. possible to obtain on the exam
	3,5	Obtaining from 61% - 70% of the total number of points. possible to obtain on the exam
	4	Obtaining from 71% - 80% of the total number of points. possible to obtain on the exam
	4,5	Obtaining from 81% - 90% of the total number of points. possible to obtain on the exam
	5	Obtaining from 91% - 100% of the total number of points. possible to obtain on the exam
classes (C)* (including e-learning)	3	Obtaining from 51% - 60% of the total number of points. possible to obtain on the exam
	3,5	Obtaining from 61% - 70% of the total number of points. possible to obtain on the exam
	4	Obtaining from 71% - 80% of the total number of points. possible to obtain on the exam
	4,5	Obtaining from 81% - 90% of the total number of points. possible to obtain on the exam
	5	Obtaining from 91% - 100% of the total number of points. possible to obtain on the exam

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>	1/1	
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	65	
<i>Preparation for the exam/test*</i>	20	
TOTAL NUMBER OF HOURS	125	
ECTS credits for the course of study	5	

**delete as appropriate*

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

Maria Gopke-Zebulke Matgorzata Stompek