

## COURSE DESCRIPTION CARD - SPECIMEN

Faculty of Civil Engineering and Environmental Sciences									
<b>Field of study</b>	Landscape architecture							<b>Degree level and programme type</b>	first degree; stationary
<b>Specialization/diploma path</b>								<b>Study profile</b>	academic
<b>Course name</b>	Economics and management in landscape architecture							<b>Course code</b>	AK17123
								<b>Course type</b>	obligatory
<b>Forms and number of hours of tuition</b>	L	C	LC	P	SW	FW	S	<b>Semester</b>	7
	1	1						<b>No. of ECTS credits</b>	2
<b>Entry requirements</b>									
<b>Course objectives</b>	<p>The student knows the stages of the investment process and its participants. Distinguishes and knows the basic methods of assessing the economic effectiveness of investment projects. Knows the principles of managing forms of nature protection. He knows the path of obtaining location decisions and building permits in valuable natural areas.</p>								
<b>Course content</b>	<p><b>L - Phases of the investment process and its participants. Relations between participants of the investment process. Documentation of investment process phases. Simple and developed methods for assessing the economic efficiency of investment projects. Cost effectiveness analysis. Investment outlays and methods of determining them. Managing areas with various forms of nature protection. The cost estimate of the investment. The rules of taking down and costing works. Calculation of works costs. Investment estimate.</b></p> <p><b>C - Preparation of the project of an investment in the area of obtaining an environmental decision, building and land development conditions, and building permit in areas with various forms of nature protection. Performing applied technological calculations, balances</b></p>								

	and costs of construction and operation of a given investment. Project presentation and defense	
<b>Teaching methods</b>	Problem lecture, project exercises	
<b>Assessment method</b>	Lecture - written exam, oral exam, exercises - preparation and defense of project work	
<b>Symbol of learning outcome</b>	<b>Learning outcomes</b>	<b>Reference to the learning outcomes for the field of study</b>
L01	knows and describes the stages and participants of the investment process and explains the basic relationships between them. He knows the way to obtain location and environmental decisions	AK2_W01
L02	discusses the basic methods of assessing the economic efficiency of investment projects and costing in construction. He knows the law regarding protected areas and the Act on landscape protection	AK2_W02
L03	is able to use his knowledge to critically analyze the effectiveness of the investment project	AK2_U02
L04	knows how to assess various projects in a diverse protected area	AK2_U07
L05	is able to properly select the data and develops a simple investor cost estimate for the selected project and calculates operating costs	AK2_U08
L06	is ready to analyze, critically evaluate and use in class knowledge and information acquired in class	AK2_K02
<b>Symbol of learning outcome</b>	<b>Methods of assessing the learning outcomes</b>	<b>Type of tuition during which the outcome is assessed</b>
L01	project implementation	C
L02	project implementation	C
L03	project implementation	C
L04	project implementation	C
L05	project implementation	C
L06	exam	L

Student workload (in hours)		No. of hours	
Calculation	participation in exercises	15	
	Participation in lectures	15	
	preparation for classes, homework	15	
	project defense	1	
	participation in consultations	4	
	<b>TOTAL:</b>	<b>50</b>	
Quantitative indicators		HOURS	No. of ECTS credits
Student workload - activities that require direct teacher participation		30	2
Student workload – practical activities		20	
Basic references	<ol style="list-style-type: none"> <li>1. Grontkowska A. 2012. Działalność gospodarcza w architekturze krajobrazu. Wyd. Hortpress. sp. o.o., Warszawa.</li> <li>2. Piasecki B. 2001. Ekonomia i zarządzanie małą firmą. Wyd. PWN, Warszawa.</li> <li>3. Ekonomia i zarządzanie ochroną środowiska dla inżynierów. Podręcznik pod redakcją E. Broniewicz, J. Godlewskiej i R. Miłaszewskiego, Wyd. Politechniki Białostockiej, Białystok 2009.</li> <li>4. Zarządzanie środowiskiem, B. Poskrobko (red.), PWE, Warszawa 2007.</li> <li>5. Koźmiński A., Piotrkowski W. (red.), (2013). Zarządzanie, Teoria i praktyka. PWN, Warszawa.</li> </ol>		
Supplementary references	<ol style="list-style-type: none"> <li>1. J. Ejdys, U. Kobylińska, A. Lulewicz: Zintegrowane systemy zarządzania jakością, środowiskiem i bezpieczeństwem pracy. Teoria i praktyka, Wyd. Politechniki Białostockiej, Białystok 2006.</li> <li>2. Zarządzanie środowiskiem w przedsiębiorstwie, A. Graczyk (red.), Wyd. Uniwersytetu Ekonomicznego we Wrocławiu, Wrocław 2008.</li> <li>3. Hermaniuk T., (2014). Biznesplan: pytania i odpowiedzi, Difin, Warszawa.</li> <li>4. Milewski R., Kwiatkowski E., (2018). Podstawy ekonomii, PWN, Warszawa.</li> </ol>		
Organisational unit conducting the course	Department of Technology in Environmental Engineering	Date of issuing the programme	
Author of the programme	dr inż. Lech Magrel	05.03.2020	

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specjalization workshop, FW – field work, S - seminar