

COURSE DESCRIPTION CARD

Faculty of Civil Engineering and Environmental Sciences										
Field of study								Degree level and programme type		
Specialization/ diploma path								Study profile	Academic profile	
Course name	Water " <i>sine qua non</i> " of human existence							Course code	IS-FCEE-00205S	
								Course type	Erasmus	
Forms and number of hours of tuition	L	C	LC	P	SW	FW	S	Semester	summer	
							30	No. of ECTS credits	2	
Entry requirements	does not concern									
Course objectives	The student sees the relationship between the quantity and quality of water resources and the economic and civilization development of society.									
Course content	<u>Seminar:</u> Water - a mystery substance. Water and civilization development. Water and food security. Water and the climate. Water and health. How to manage water wisely? Is there a global water crisis ahead of us? Potential future water conflicts. Water: economic commodity or human right?									
Teaching methods	seminar									
Assessment method	Seminar: semester paper on the given topic									
Symbol of learning outcome	Learning outcomes							Reference to the learning outcomes for the field of study		
LO1	Student knows the relationship between the quantity and quality of water resources and the economic and civilization development of society.							IS1_W07		
LO2	Student can assess the quality of information about the environment from various sources.							IS1_U04		
LO3	Student can find the relationship between the possibilities of civilization development and water resources.							IS1_U14		
Symbol of learning outcome	Methods of assessing the learning outcomes							Type of tuition during which the outcome is assessed		
LO1	semester paper							S		
LO2	semester paper							S		
LO3	semester paper							S		

Student workload (in hours)		No. of hours	
Calculation	participation in seminar	30	
	participation in consultations	5	
	preparation of semester paper	10	
	TOTAL:	45	
Quantitative indicators		HOURS	No. of ECTS credits
Student workload – activities that require direct teacher participation		10 h	0,5
Student workload – practical activities		35 h	2
Basic references	Global Water Issues : 2011. Bureau of International Information Programs United States Department of State. Lükenga W. 2015. Water Resource Management. eBooks at bookboon.com https://ourworld.unu.edu/en/water-prospects-in-the-21st-century https://www.nationalgeographic.com/news/2018/03/world-water-day-water-crisis-explained/ https://www.un.org/waterforlifedecade/scarcity.shtml		
Supplementary references	Han D., 2010. Concise Hydrology. eBooks at bookboon.com		
Organisational unit conducting the course	Department of Agri-Food Engineering and Environmental Management	Date of issuing the programme	
Author of the programme	Piotr Kondratiuk, PhD	07.03.2023	

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