University of Gdańsk

Subject card

Subject name and code	Socio-economic Aspects of Water Management - tutorials, PG_00201433		
Field of study	Water Management and Protection of Water Resources		
Date of commencement of studies	October 2027	Academic year of realisation of subject	2028/2029
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study Humanistic-social subject group
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	3	ECTS credits	2.0
Learning profile	practical	Assessment form	credit
Conducting unit	Laboratory of Hydrology -> Department of Hydrology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Katarzyna Jereczek-Korzeniewska	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	30.0	0.0	0.0	0.0	30

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	30	1.0	19.0	50

Subject objectives

The aim of the course is to familiarise students with the socio-economic determinants of water management, with particular emphasis on the importance of access to drinking water, the safety and protection of water resources, and the fostering of environmental awareness amongst the public. Students will learn about the role and importance of water for individual sectors of the economy, the basic financial instruments supporting water resource management, and the socio-economic aspects of planning and implementing infrastructure projects in the water sector.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GWOZWL3-K08] engage in professional work in preparation or implementation of projects for the benefit of society.	the production of a leaflet encouraging the public to use water resources in an informed and sustainable manner	[SK2] presentation/project/paper/ report
[GWOZWL3-U16] demonstrate creativity in working independently and in team, taking on a variety of roles, including a leadership role.	preparation of a project/poster/ presentation	[SU2] presentation/project/paper/ report
[GWOZWL3-K04] maintain a critical attitude in accepting information from various sources relating to issues in the field of water management.	the ability to identify sources of data on the ecological status of waters in Poland, flood risk and drought	[SK5] implementation of a problem task
[GWOZWL3-U04] distinguish between objectives, analyze and evaluate modern strategies for managing environment especially in the context of ecosystem approach to managing human activities in the environment with taking into account relevant law regulations and the indication of administrative bodies responsible for the management of waters and the protection of water resources.	analysis of thematic maps, identification of remedial measures aimed at improving the ecological status.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work [SU5] implementation of a problem task
[GWOZWL3-U10] communicate with specialists and non-specialists in situations related to water management and protection.	develops solutions for the assessment and protection of the aquatic environment.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
[GWOZWL3-U03] observe and describe the changes taking place in water management and predict further directions of its development as well as conduct a critical analysis of case studies of problems of water management and protection of water resources in terms of impact on ecological, social and economic systems; natural valorization and assessment of quality of the environment.	identification of sources of pollution in watercourses and their catchment areas	[SU2] presentation/project/paper/ report [SU5] implementation of a problem task

Subject contents

access to drinking water
safety and security
environmental awareness
financial instruments
economic sectors
infrastructure investment

Prerequisites and co-requisites

key competences at secondary school level; knowledge and skills from geography lessons

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	51.0%	30.0%
	51.0%	70.0%

Recommended reading

Basic literature	Bajkiewicz-Grabowska, E., Mikulski, Z., 2010, General Hydrology, PWN, Warsaw, 340 pp. Bajkiewicz-Grabowska E., Magnuszewski A., 2012, A Guide to Practical Exercises in General Hydrology, PWN, Warsaw, 196 pp. Mikulski, Z., 1998, Water Management, PWN, Warsaw thematic maps – socio-ecological and hydrographic
Supplementary literature	Kobylarczyk, J., 2012, 'Water in public spaces as one of the factors shaping social behaviour and the image of the city', Scientific Journals of Poznań University of Technology. Architecture and Urban Planning, vol. 24, Łuszczyk, M., 2013, 'Measuring quality of life on an international scale', Kraków
eResources addresses	

Example issues/ example questions/ tasks being completed

The 'How to save water?' educational campaign
Ways of financing water infrastructure projects
The functioning of protected areas

Work placement

Not applicable

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