University of Gdańsk

Subject card

Subject name and code	Water Reasources Managment Spatial Planning - laboratory classes, PG_00201435		
Field of study	Water Management and Protection of Water Resources		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study Subject group related to practical vocational preparation
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	4	ECTS credits	1.0
Learning profile	practical	Assessment form	credit
Conducting unit	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	0.0	15.0	0.0	0.0	15

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	15	1.0	9.0	25

Subject objectives

Integration of knowledge and skills in spatial planning. To expand knowledge, skills of environmental, economic and legal conditions of g.w. To introduce to the p.p. system and principles of resource management. To introduce tools for shaping spatial development. To consolidate attitudes for shaping spatial order in the course of professional activity. To become familiar with planning procedures and documents. To acquire the skills to create planning documents, assess the value of the environment and evaluate natural conditions and risks.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GWOZWL3-K03] The student has the ability systematic further education and professional development, updating and expand their knowledge and skills, understands the limitations of his own knowledge in the context of civilization progress and recognizes authorities in the professional and scientific environment.	- is willing to undergo systematic continuing education and professional development, to update and broaden his/her knowledge and skills, understands the limitations of his/her own knowledge in the context of the progress of civilisation and recognises authorities in the professional and scientific community that deal with water management in a broad sense;	[SK2] presentation/project/paper/ report [SK5] implementation of a problem task
[GWOZWL3-K05] The student has the ability take responsibility for the safety of their own work and that of others, dealing with emergencies, exercising caution in the laboratory and in the field, responsibility for entrusted equipment and apparatus.	is willing to take responsibility for his own safety and that of others, dealing with emergencies, exercising caution in the laboratory and in the field, taking responsibility for entrusted equipment and apparatus	[SK2] presentation/project/paper/ report
[GWOZWL3-U07] The student can use literature and other available sources of information, including information technology, multimedia, Internet, databases, and select and critically evaluate information.	The student is able to use literature and other available sources of information in water management, including information technology, multimedia, Internet resources, databases, and to select and critically evaluate information;	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU5] implementation of a problem task
[GWOZWL3-U02] The student can select and independently apply basic research techniques and tools, with adhering to established analytical procedures in the field of environmental research in water management, adequately to the considered research problem.	Students will be able to select and independently apply basic techniques and research tools, following established analytical procedures, in the the scope of environmental research in water management, adequate to the a considered research problem	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU5] implementation of a problem task
[GWOZWL3-W11] The student knows and understands basic principles of creation and development of various forms of entrepreneurship.	Recognises the economic, legal and ethical conditions of the various manifestations of entrepreneurship	[SW3] text preparation/written work

Subject contents

B. Problems of exercises: B.1. Basic tools for shaping spatial development at local, regional and national levels; B.2. Identification of basic natural conditions and design of the main directions of spatial development at local, regional and national scales

Prerequisites and co-requisites

Competence at secondary school level, knowledge of basic physical geography, socio-economic geography and the ability to analyse the natural environment

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
completion of the credit work	51.0%	100.0%

Recommended reading

Basic literature

A.1. used during the classes: - Contents of legal acts Act on planning and spatial development of 27.03.2003 (Journal of Laws of 2024, item 1130), Act on providing information on the environment and its protection, participation of the society in the protection of the environment and environmental impact assessments of 3.10.2008r. (Journal of Laws of 2024, item 1112) Environmental Protection Law of 27.04.2001r. (Journal of Laws of 2024, item 54), Nature Protection Act of 16.04.2004. (Journal of Laws of 2024, item 1478), - Parysek J. J., 2006, Introduction to spatial management, Wyd. Nauk. UAM, Poznań, current edition. - Domański R., 2017, Spatial economy. Podstawy teoretyczne, Wydawnictwo Naukowe PWN, Warszawa. A.2. studied independently by the student: - Bródka S., 2010, Practical aspects of environmental assessments, Bogucki Wydawnictwo Naukowe, Poznań. - Gaczek W. M., 2003, Management in spatial economy, Oficyna Wydawnicza BRANTA, Bydgoszcz-Poznań. - Ciechanowicz-McLean J., Prawo ochrony i zarządzania środowiskiem, Wyd. Difin, Warsaw 2019, Ciechanowicz - McLean J., Nyka M., Environmental law, Gdańsk - Warsaw 2016.- Kistowski M., Pchałek M., 2009, Natura 2000 in spatial planning the role of ecological corridors, Min. Środ. Warsaw
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	Supplementary literature	B. Supplementary literature: - Ciechanowicz-McLean J., Prawo ochrony klimatu, Wyd Powszechne Wydawnictwo Prawnicze, Warszawa 2016, D. Danecka, J.S. Kierzkowska, D. Trzcińska, Restrictions on economic activity due to nature protection, Wyd Wolters Kluwer, Warszawa 2018. Dutkowski M., 1995, Konflikty w gospodarowaniu dobrami środowiskowymi, Wyd. UG, Gdańsk. - Jędraszko A., 2005, Zagospodarowanie przestrzenne w Polsce drogi i bezdroża regulacji ustawowych, Unia Metropolii Polskich, Warsaw. - Kowalczak P., 2024, Climate change, Wyd. 3SMedia, Warsaw - Sołowiej D., 1992, Fundamentals of the methodology of human environmental assessment, Wyd. Nauk. UAM, Poznań, Translated with DeepL.com (free version)
	eResources addresses	
Example issues/ example questions/ tasks being completed	- natural conditions of spatial development - local analysis - basis for spatial planning - selection of forms of protection - development	
Work placement	Not applicable	

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