

Subject card

Subject name and code	Fundamentals of water management - auditorium exercises, PG_00054174						
Field of study	Water Management and Protection of Water Resources						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2024/2025		
Education level	undergraduate studies		Subject group		Obligatory subject group in the field of study Subject group related to scientific research 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	1		Language of instruction		Polish polish		
Semester of study	1		ECTS credits		1.0		
Learning profile	practical		Assessment form				
Conducting unit	Pracownia Limnologii -> Katedra Hydrologii -> Faculty of Oceanography and Geography						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Wojciech Maślanka				
	Teachers		dr Wojciech Maślanka				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	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		3.0		7.0	25
Subject objectives	Preparation to independently prepare a balance of water resources and needs						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[GWOZWL3-U15] by solving in groups the assigned problem situations, appropriately set priorities to achieve task defined by themselves or others		W_2[K_U15] Is able to assess water resources and needs (B.1-4)		[SU2] presentation/project/paper/report		
	[GWOZWL3-K06] an informed and reliable assessment of the impact of humans on the aquatic environment		W_1[K_K06] Is ready to solve research tasks in a team and expanding existing knowledge in order to implement them effectively (B1-4)		[SK8] observation of student's independent or team work		

Subject contents	<p>Exercise issues:</p> <p>B1 Natural, economic and demographic characteristics of the region.</p> <p>B2 Assessment of natural and available water resources.</p> <p>B3 Assessment of water needs of individual groups of water consumers.</p> <p>B4 Comparison of water resources and needs in the region (water and economic balance).</p>								
Prerequisites and co-requisites	general knowledge about the natural environment and economy at secondary school level, ability to use information from various sources								
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 546 786 575">Subject passing criteria</th> <th data-bbox="799 546 1139 575">Passing threshold</th> <th data-bbox="1152 546 1482 575">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 580 786 609">completion of final work - project</td> <td data-bbox="799 580 1139 609">51.0%</td> <td data-bbox="1152 580 1482 609">100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	completion of final work - project	51.0%	100.0%		
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Recommended reading	<table border="1"> <tbody> <tr> <td data-bbox="456 624 786 696">Basic literature</td> <td data-bbox="799 624 1482 696">1. Ciepielowski A. (red.), 1995, Metodyka zagospodarowania zasobów wodnych w małych zlewniach rzecznych, Wyd. SGGW, Warszawa, 152 s.</td> </tr> <tr> <td data-bbox="456 701 786 752">Supplementary literature</td> <td data-bbox="799 701 1482 752">1. Ciepielowski A., 1999, Podstawy gospodarowania wodą, Wyd. SGGW, Warszawa, 326 s.</td> </tr> <tr> <td data-bbox="456 757 786 792">eResources addresses</td> <td data-bbox="799 757 1482 792">Adresy na platformie eNauczanie:</td> </tr> </tbody> </table>	Basic literature	1. Ciepielowski A. (red.), 1995, Metodyka zagospodarowania zasobów wodnych w małych zlewniach rzecznych, Wyd. SGGW, Warszawa, 152 s.	Supplementary literature	1. Ciepielowski A., 1999, Podstawy gospodarowania wodą, Wyd. SGGW, Warszawa, 326 s.	eResources addresses	Adresy na platformie eNauczanie:		
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eResources addresses	Adresy na platformie eNauczanie:								
Example issues/ example questions/ tasks being completed	Water and economic balance of a small catchment area located in young glacial areas								
Work placement	Not applicable								

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