

**Subject card**

<b>Subject name and code</b>	Mathematics and Statistics - tutorials II, PG_00192593						
<b>Field of study</b>	Water Management and Protection of Water Resources						
<b>Date of commencement of studies</b>	October 2026		<b>Academic year of realisation of subject</b>			2026/2027	
<b>Education level</b>	Bachelor's studies		<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to practical vocational preparation	
<b>Mode of study</b>	full-time studies		<b>Mode of delivery</b>			at the university	
<b>Year of study</b>	1		<b>Language of instruction</b>			Polish	
<b>Semester of study</b>	2		<b>ECTS credits</b>			2.0	
<b>Learning profile</b>	practical		<b>Assessment form</b>			credit	
<b>Conducting unit</b>	Climate Research Laboratory -> Department of Physical Oceanography and Climate Research -> Faculty of Oceanography and Geography -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	Subject supervisor		dr Mirosława Malinowska				
	Teachers						
<b>Lesson types</b>	<b>Lesson type</b>	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						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	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
<b>Subject objectives</b>	Acquire the ability to determine basic quantities in descriptive statistics and interpret them. Determine confidence intervals of basic elements, determine the minimum sample size, determine the relationship between two variables using correlation and linear regression and the statistical significance of the relationship						
<b>Learning outcomes</b>	<b>Course outcome</b>		<b>Subject outcome</b>			<b>Method of verification</b>	
	[GWOZWL3-U08] The student can use basic mathematical and statistical methods to analyze data and describe phenomena and processes occurring in the environment, as well as methods of information technology to assess the risk of threats to the of the environment, especially the hydrosphere.		knows how to use basic mathematical and statistical methods to analyze data and describe environmental phenomena and processes			[SU4] test/exam - oral or written	
	[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.		Systematically further educates himself and improves professionally, expands his knowledge and skills, understands the limitations of his own knowledge in the context of the progress of civilization and recognizes the authorities in the professional and scientific environment			[SK4] test/exam - oral or written	

