

Subject card

Subject name and code	Basic meteorology - auditory exercises, PG_00159331						
Field of study	Oceanography						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		1.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Climate Research Laboratory -> Department of Physical Oceanography and Climate Research -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Janusz Filipiak				
	Teachers						
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		6.0		10.0	31
Subject objectives	Familiarize students with the practical analysis of assessing the basic physical processes occurring in the Earth's atmosphere.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	OCEANL3-W01	Knows and understands the terminology used in atmospheric sciences, knows and understands the basic physical processes occurring in the atmosphere	[SW3] text preparation/written work
	OCEANL3-W02	Knows and understands the terminology used in atmospheric sciences, knows and understands the basic physical processes occurring in the atmosphere	[SW3] text preparation/written work
	OCEANL3-U05	Is able to use current scientific terminology in presenting and discussing problems in the field of meteorology and is able to use methods of analyzing and presenting data in meteorology	[SU3] text preparation/written work
	[OCEANL3-K05] is willing to take responsibility for the safety of his/ her own and others' work, is aware of the risks and threats resulting from the work performed	Is willing to continuously deepen a knowledge in the field of atmospheric sciences	[SK8] observation of student's independent or team work
	OCEANL3-U01	Is able to use current scientific terminology in presenting and discussing problems in the field of meteorology and is able to use methods of analyzing and presenting data in meteorology	[SU3] text preparation/written work
	OCEANL3-W04	Knows and understands the importance of basic techniques, research methods and tools used in meteorology	[SW3] text preparation/written work
Subject contents	B.1. Earth's radiation balance, the role of the atmosphere in this balance, the greenhouse effect. B.2. Synoptic maps and their types and use in meteorology. B.3. Dynamic processes on synoptic maps, determination of wind speed on surface and upper-level maps. B.4. Thermal wind and temperature advection. B.5. Humidity and vertical stability of the atmosphere. Aerological diagrams.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	obtaining a passing grade determined on the basis of partial grades on the colloquium and written work.	51.0%	100.0%
Recommended reading	Basic literature	Herman, A., 2006, Podstawy meteorologii. Skrypt do ćwiczeń z przedmiotu "Meteorologia morska", Wyd. UG. (in Polish) Malinowska M. (red.), 2010, Przewodnik do ćwiczeń z meteorologii i klimatologii, Wyd. UG, Gdańsk. (in Polish)	
	Supplementary literature	Trzeciak, S., 2009, Meteorologia morska z oceanografią, PWN, Warszawa. (in Polish)	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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