

Subject card

Subject name and code	Sedimentology - laboratory exercises, PG_00118114						
Field of study	Oceanography						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
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	academic		Assessment form		credit		
Conducting unit	Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Robert Sokołowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	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		0.0		0.0	30
Subject objectives	Conducting laboratory sedimentological research, interpretation of depositional environments, application of sedimentological research in the aforementioned various fields of earth sciences.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	OCEANL3-U05	is able to use application and specialised software, as well as mathematical and statistical methods in the analysis of data and presentation of results of sedimentological research	[SU2] presentation/project/paper/report [SU3] text preparation/written work
	OCEANL3-W05	has an advanced understanding of the techniques, research methods and tools (mathematical, statistical, IT) used in the aforementioned laboratory sedimentological research	[SW2] presentation/project/paper/report
	OCEANL3-U03	is able to process, describe and present the results of laboratory sedimentological research and draw conclusions	[SU2] presentation/project/paper/report [SU3] text preparation/written work
	OCEANL3-U01	is able to use the current scientific terminology of sedimentology	[SU1] oral statement/conversation/discussion
	OCEANL3-U02	is able to make observations and take measurements in the laboratory, individually and in a team, using suitably adapted research techniques in the field of sedimentology	[SU2] presentation/project/paper/report
	OCEANL3-U11	is able to work individually as well as collaboratively in a group with various functions and tasks in the laboratory and in the preparation of results of sedimentological research	[SU3] text preparation/written work [SU8] observation of student's independent or team work
Subject contents	Introduction to laboratory methods for the examination of clastic sediments Granulometric analysis Analysis of the dressing and surface character of mineral grains Petrographic characteristics of sediments Statistical compilation and synthesis of results of laboratory analyses		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	completion of a course work - project or presentation	51.0%	100.0%
Recommended reading	Basic literature	Nicols G. 2009, Sedimentology and Stratigraphy. Wiley-Blackwell, pp. 419. Demicco R.V., Bridge J.S. 2008, Earth Surface Processes, Landforms and Sediment Deposits. Cambridge University Press, pp. 815. Reading, H., (red.) 1996, Sedimentary Environments: Processes, Facies and Stratigraphy, 3rd Edition pp. 704. Gradziński R., Kostecka A., Radomski A., Unrug R. 1986, Zarys Sedymentologii. Wydawnictwa Geologiczne, pp. 628.	
	Supplementary literature	Racinowski R., Szczypek T., Wach J. 2001, Prezentacja i interpretacja wyników badań uziarnienia osadów czwartorzędowych. Wydaw. Uniwersytetu Śląskiego, Katowice.	
	eResources addresses		

Example issues/ example questions/ tasks being completed	Analysis and interpretation of the results of the granulometric analysis
Work placement	Not applicable

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