University of Gdańsk

Subject card

Subject name and code	The basics of paleontology - lecture, PG_00118140		
Field of study	Oceanography		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	undergraduate studies	Subject group	Obligatory subject group 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	4	ECTS credits	2.0
Learning profile	academic	Assessment form	
Conducting unit	Pracownia Geologii Morza -> Katedra Oceanografii Chemicznej i Geologii Morza -> Faculty of Oceanography and Geography		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Małgorzata Witak	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	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

Understanding of the mechanisms of evolution of marine invertebrates. Ability to relate fossils to rock age, environment and lifestyle. Knowledge of the importance of fossils in the geological sciences

Learning outcomes

Course outcome	Subject outcome	Method of verification
OCEANL3-U12	is able to systematically expand and update paleontological knowledge and improve professional qualifications	[SU1] oral statement/conversation/ discussion
OCEANL3-U01	is able to use the applicable scientific terminology in the field of paleontology	[SU4] test/exam - oral or written
OCEANL3-W01	knows and understands, at an advanced level, the terminology used in paleontology	[SW4] test/exam - oral or written
OCEANL3-W02	knows and understands the basic geological processes and phenomena taking place in the aquatic environment, with particular reference to the marine palaeoenvironment, and explains the mechanism of evolution	[SW4] test/exam - oral or written
OCEANL3-U03	can identify selected groups of marine invertebrates	[SU4] test/exam - oral or written
OCEANL3-U06	is able to define the basic relationships concerning the functioning of the different components of the marine palaeoenvironment and the fossils associated with it	[SU4] test/exam - oral or written

Subject contents

Basic concepts in palaeontology. Evolution of the main groups of marine invertebrates. Ecstinctiology

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3"></td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>test</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">Lehmann U., Killmer G., 1991. Bezkręgowce kopalne, Wyd. Geologiczne, Warszawa

Witak M., 2015. Elementy paleontologii. W Witak M. et al Podstawy paleontologii. Wyd. UG, Gdańsk</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Radwańska U., 1999. Przewodnik do ćwiczeń z paleontologii, Wyd. Naukowe INVIT, Warszawa

Dzik J., 1997. Dzieje życia na Ziemi, Wyd. Naukowe PWN, Warszawa
Raup D.M., Stanley S.M., 1984. Podstawy paleontologii, Wyd. Naukowe PWN, Warszawa
Stanley S.M., 2002. Historia Ziemi, Wyd. Naukowe PWN, Warszawa</td></tr>
<tr><td>eResources addresses</td><td colspan="2">Adresy na platformie eNauczanie:</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">1. List the groups of marine invertebrates of stratigraphic importance in the Mesozoic

2. Give an example of a group of marine invertebrates of rock-forming and palaeoecological importance</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
</table>

Document generated electronically. Does not require a seal or signature.