SYLLABUS

Name: ***Evolution of Earth ecosystems (25-BI-S2-W-EEE-AN)***
Name in Polish: **Ewolucja ekosystemów na Ziemi**
Name in English: ***Evolution of Earth ecosystems***

Information on course:

Course offered by department: Faculty of Biological Sciences
Course for department: Faculty of Biological Sciences

Default type of course examination report:

Grading

Language:

English

Short description:

Prerequisites regarding knowledge, skills, and social competences for the course/module
BSc in Biology or related sciences.

Student's own work:
- reading relevant scientific publications: 20h
- preparing homework/project/presentation: 25h
- preparing a raport: 20h
- exam and test preparation: 15h

Description:

Educational aims:
- extending of knowledge of the history of the natural and cultural environment;
- to learn about the processes that shape the earth's surface;
- to acquire knowledge of the influence of climatic processes on the evolution of the natural environment.

Course content:
- Lectures:
- endogenous and exogenous factors shaping conditions for life on Earth,
- evolution of marine and terrestrial ecosystems on Earth,
- methods for reconstructing natural environments.
- Classes:
-practical methods for reconstructing changes in abiotic and biotic conditions from the Paleozoic to the present day.

Bibliography:

Mandatory and recommended reading list:
Allen A. P. 2000. Earth Surface Processes. Blackwell Sciences Ltd;
Cronin M. T. 1999. Principles of paleoclimatology. Columbia University Press ;
Foster R. J. 1983. General Geology. Charles E. Merrill Publishing Company;
Palmer D. 2009. Evolution: The Story of Life. Octopus Publishing Group.

Learning outcomes:

Intended learning outcomes
Student:

K_W02
understands relationships between the different branches of natural sciences, and knows the basic concepts of climatology, geomorphology, ecology and geology;

K_W05
understands the role of living organisms and their contribution to geophysical and geochemical processes;

K_U01

K_U06
interprets empirical data and draws appropriate conclusions while reconstructing changes in biotic and abiotic processes;

K_K01
analyses the knowledge acquired in the biological sciences and needs to constantly improve it.

Assessment methods and assessment criteria:

Assessment methods for the intended learning outcomes:
- Lectures:
- test (written)
- Classes:
- preparing presentation/poster,
- continuous control of classes attendance and studing progress,
- engagement in discussions,
- writing a report.

Credit requirements for individual components of the course/module:
- Lectures:
- test (written) - minimum 51%
- Classes:
- evaluation of student’s attendance, engagement and progress,
- presentation, poster, discussion (individual or in groups),

- providing a report.

Course credits in various terms:

<without a specific program>			
Type of credits	Number	First term	Last term
European Credit Transfer System (ECTS)	4	2024/25-L	