

Faculty of Environmental Management and Agriculture

Course title: MARINE ECOSYSTEMS

ECTS credit allocation (and other scores): 1.5

Semester: autumn

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Agricultural sciences

Language: English

Number of hours per semester: 25

Course coordinator/ Department and e-mail: dr Monika Panfil, Department of Water Resources Climatology and

Environmental Management, monika.panfil@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: The oceans of the world. A trip to the Maritime Aquarium in Gdynia. The project "We are building a marine aquarium" (in theory, in practice).

LECTURES: The structure of ecosystems. World Ocean. Geography seabed. Atlantic Ocean. Pacific Ocean. Indian Ocean and the Arctic Ocean. Movement of sea water. Ocean currents. Coral reef.

Learning purpose: To acquaint the student with the physiography of seas and oceans, including the biota of marine ecosystems.

On completion of the study programme the graduate will gain:

Knowledge: Students have the necessary knowledge of the structure of marine ecosystems, geography of the world's ocean and the principles of mass and energy changes in sea waters.

Skills: Students have the necessary skills and knowledge search ability in the analysis of marine biodiversity and geography resources.

Social Competencies: Students are aware of the responsibility for the state of the environment represented by the marine ecosystems, which are constantly subjected to anthropogenic pressure.

Basic literature: Różańska Z. 1999. Ekologia środowiska morskiego. ART. Olsztyn.

Supplementary literature: -

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 0.96 ECTS points

Student's independent work: 0.54 ECTS points