KAPITAŁ LUDZKI
NARODOWA STRATEGIA SPÓJNOŚCI

Projekt współfinansowany przez Unię Europejską w ramach Europejskiego Funduszu Społecznego

UNIA EUROPEJSKA
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FUNDUSZ SPOŁECZNY

Course title	ECTS code
Coastal ecosystems protection	not defined

Name of unit administrating study

Faculty of Biology

Studies

faculty	field of study		
Faculty of Biology	Natural Resources Conservation, Genetics and Experimental Biology, Medical Biology, Biology	type	all
		form	all
		specialty	all
		specialization	all

Teaching staff

dr Magdalena Lazarus; dr hab. Wojciech Pokora, profesor uczelni

Forms of classes, the realization and number of hours

Forms of classes

Auditorium classes

The realization of activities

classroom instruction

Number of hours

Auditorium classes: 15 hours

ECTS credits

1
Estimated time:
a) Classes requiring direct participation of the academic teacher and a student:
- participation in workshop: 15 h
- participation in the final test: 1 h
b) Student's own work:
- preparation for classes, test, final assessment: 9 h
TOTAL: 25 hours

The academic cycle

2022/2023 summer semester

Type of course

an elective course

Language of instruction

english

Teaching methods

- discussion
- discussion, group work
- group work
- seminar lecture

Form and method of assessment and basic criteria for eveluation or examination requirements

Final evaluation

Graded credit

Assessment methods

Written test – multiple-choice and open questions
Preparation of a multimedia presentation

The basic criteria for evaluation

Assessment criteria or examination requirements:
Determining the final grade on the basis of the partial grades of the written test and the presentation; attendance of at least 85% of the workshop

Method of verifying required learning outcomes

Required courses and introductory requirements

A. Formal requirements
English level – minimum B2

B. Prerequisites
Not required

Aims of education

Becoming acquainted with the richness and ecological diversity of coastal ecosystems, natural environmental factors (historical and contemporary) influencing those ecosystems and ways of protecting them.

Course contents

Types of coastal ecosystems. Specific environmental conditions related to the seashore and the adaptation of organisms to function in these conditions. Characteristics of selected coastal ecosystems in terms of their origins, functioning and succession. Zonation. The effects of soil salinity. Threats and protection of coastal ecosystems. Contemporary scientific research conducted in coastal ecosystems.

Bibliography of literature

A. Literatura wymagana do ostatecznego zaliczenia zajęć (zdania egzaminu):
A.1. literature used during the lectures
Adam P. 1990. Saltmarsh ecology. Cambridge University Press, 461 ss.
Barbier, E. B., Hacker, S. D., Kennedy, C., Koch, E. W., Stier, A. C., Silliman, B. R. 2011. The value of estuarine and coastal ecosystem services. Ecological Monographs, 81: 169–193.

B. Literatura uzupełniająca
Lazarus M., Wszałek-Rożek K. 2016. Two rare halophyte species: Aster tripolium L. and Plantago maritima L. on the Baltic coast in Poland-their resources, distribution and implications for conservation management. Biodiv. Res. Conserv. 41: 51-60

The learning outcomes (for the field of study and specialization)

Knowledge

explains basic rules and describes mechanisms of life functioning at the population, biocenosis and ecosystem levels, as well as temporal and spatial conditions of biological diversity
names types of natural environments (habitats) and characterizes them in the structural and functional terms, as well as describes selected coastal area flora and fauna species and describes methods and forms of nature protection,
describes basic rules, methods and techniques for conducting field research in the natural environment and the possibilities of their use in nature protection

Skills

independently searches for and uses available sources of biological information, including electronic resources

Social competence

knows the limits of their own knowledge and understands the need for constant learning and development, and is open to new ideas

Contact

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