
Course title: AQUATIC ECOSYSTEMS IN THE LANDSCAPE

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 inż. Mariusz Antolak, Department of Landscape Architecture, mariusz.antolak@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: Discussion of the basic design principles of educational paths next to the bodies of water in relations to the issues of environmental protection. Overview of good practices of tourism development in the legally protected waterside areas in selected countries.

LECTURES: Definitions, types and kinds of landscapes. Contemporary transformations of waterside landscapes in selected countries. Hydrogenic landscapes - spatial structure and its functioning. Aquatic ecosystems in the city, countryside and in the open landscape. Modern systems of water retention in the city – ecological subdivisions. Good practices in waterside area development - presentation of selected facilities. Possibilities of using selected aquatic ecosystems for the development of tourism and recreation.

Learning purpose: Presentation of the landscape values of selected types of aquatic ecosystems. Acquiring skills in designing educational paths in the vicinity of natural water reservoirs.

On completion of the study programme the graduate will gain:

Knowledge: The student is familiar with good practices in waterside areas development. He or she is able to evaluate the landscape values of selected objects.

Skills: The student has acquired the ability to design educational paths. He or she is able to obtain and analyse the data necessary to design paths.

Social Competencies: The student appreciates landscape variety related to the presence of a body of water. The student understands the need for protection of aquatic ecosystems.

Basic literature: 1) George M.R. 1987. Managed aquatic ecosystems. Amsterdam.

Supplementary literature: Czasopismo: Landscape architecture. Wydawnictwo UP we Wrocławiu.

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