
Course title: SUSTAINABLE MANAGEMENT OF WATER

ECTS credit allocation (and other scores): 2.0 ECTS

Semester: spring

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

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: dr hab. inż. Andrzej Skrzypczak, prof.UWM

Type of classes: classes and lectures

Substantive content

CLASSES: Principles of implementation of systemic solutions for sustainable water management, taking into account the needs of tourism and recreation development. Study of good practices and ecological solutions in the tourist and recreational system of water management and use.

LECTURES: Basic concepts and definitions within the scope of the subject matter. Sustainable water management in the aspect of development of water tourism and recreation. Ecological and economic basics of sustainable water management for tourism and recreation. Justification for the implementation of the idea of sustainable development. Renewable water resources. Tourism and recreation in water-environmental programmes. Integrated water management system. Sustainable use of water in the light of the Water Framework Directive.

Learning purpose: Providing basic theoretical and practical knowledge in the field of tourism services in institutions designed for this purpose; familiarizing students with the principles and methods of direct service of tourism participants; acquiring practical skills in the field of organization and implementation of basic tasks related to tourism services.

On completion of the study programme the graduate will gain:

Knowledge: It has extended knowledge in the field of natural processes and shaping the environment for the purpose of identifying factors determining sustainable water management, taking into account the needs of tourism and recreation development.

Skills: Analyses problems related to the need for sustainable water management in order to preserve human and animal welfare and the aquatic environment and its resources; is able to formulate appropriate conclusions.

Social Competencies: Is aware of the responsibility for the formation and condition of the water environment for the needs of tourism and broadly understood recreation:

Basic literature: 1) Wagner I., Marshalek J., Breil P., Aquatic habitats in sustainable urban water management: Science, policy and practice, wyd. Taylor and Francis/Balkema, Leiden, 2008; 2) Kolarski T., Practical aspects of water management in the design of retention reservoirs, wyd. Wyd. Politechniki Gdańskiej, 2014

Supplementary literature: 1) Zalewski M., Integrated strategy for the protection and management of water systems, wyd. Państw. In. Ochr. Środ. Bib. Monit. Środ. Łódź, 1994

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 1.28

Student's independent work: 0.72