
Course title: THREATS AND CONSERVATION OF SPECIES DIVERSITY

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: prof. dr hab. Stefan Grzegorzczak, Department of Grassland and Green Space Management, stefang@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: Characteristics of the most important communities of aquatic vegetation and vegetation in coastal zone - species characteristics, occurrence, economic importance and nature. Rare and protected species of plants of aquatic vegetation.

LECTURES: Basic levels of biodiversity. Biodiversity indicators. Macrophytes in freshwater communities in meso- and eutrophic reservoirs of inland waters, plant communities meso- and oligotrophic lakes, pleustonic communities. The vegetation in a coastal zone - rush communities, sedge communities, peatland vegetation. Protected species of aquatic communities and vegetation in coastal zone. Factors contributing to maintain biodiversity.

Learning purpose: Understanding the risks and protect species diversity of communities of aquatic vegetation and vegetation in a coastal zone.

On completion of the study programme the graduate will gain:

Knowledge: Students have knowledge of the risks and protection of species diversity of communities of aquatic vegetation and vegetation in a coastal zone.

Skills: Students can identify the factors affecting the state of biodiversity of communities of aquatic vegetation and vegetation in a coastal zone.

Social Competencies: Awareness of the need to protect species diversity of communities of aquatic vegetation and vegetation in a coastal zone.

Basic literature: Wysocki C., Sikorski P. 2009. Fitosocjologia stosowana. SGGW, Warszawa.

Supplementary literature: Matuszkiewicz W. 2008. Przewodnik do oznaczania zbiorowisk roślinnych Polski. PWN, Warszawa.

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