

Course title: FIELD BOTANY

ECTS credit allocation (and other scores): 2

Semester: spring

Level of study: ISCED-6 - first-cycle programmes (EQF-6)

Branch of science: Natural sciences

Language: English

Number of hours per semester: 15 h.

Course coordinator/ Department and e-mail: Katarzyna Krawczyk; Department of Botany and Evolutionary Ecology; katarzyna.krawczyk@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES: Basic principles and methods of making botanical field observations and collecting floristic materials in the field. Basic techniques of preparing herbarium sheets and herbarium labels. Observations and practical identification of native species of forest, peat bog, meadow, cultivated fields and ruderal habitats. Identification of species in the field using botanical keys. Diagnostic features necessary in species identification. Rules of handling plant material.

LEARNING PURPOSE: Expanding skills in analyzing the morphological structure of seed plants and ferns. Acquiring the ability to recognize plant species with the use of botanical keys. Getting to know Polish and Latin nomenclature of chosen plants. Learning to create herbarium collections.

On completion of the study programme the graduate will gain:

KNOWLEDGE: student knows the methods of making botanical field observations; knows and understands the rules of using botanical key for plant identification; knows the techniques of archiving collections in the form of herbarium sheets and the principles of responsible handling of plant material; knows the names and diagnostic features of chosen plant species

SKILLS: student can make botanical field observations; can identify species using the botanical keys; can collect specimens for herbarium collection and properly prepare a herbarium label

SOCIAL COMPETENCIES: student is ready to independently improve his competences by broadening his knowledge in the field of botany

Basic literature: 1.) Rutkowski, Lucjan, *Klucz do oznaczania roślin naczyniowych Polski niżowej*, Wyd. Wydawnictwo Naukowe PWN, R. 2006. 2.) Rothmaler, Werner, *Excursionsflora von Deutschland*, Spektrum, 2007

Supplementary literature: 1.) Johnson, Owen; More, David, *Tree guide*, Wyd. Collins, R. 2004. 2) Phillips, Roger, *Trees of North America and Europe*, Random House New York, 1978

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 16 h.

Student's independent work: 34 h.