

SYLLABUS

Name: *Biology of ants (25-BI-S2-W-BA-AN)*

Name in Polish: Biologia mrówek

Name in English: *Biology of ants*

Information on course:

Course offered by department: Faculty of Biological Sciences

Course for department: Faculty of Biological Sciences

Default type of course examination report:

Grading

Language:

English

Short description:

Prerequisites regarding knowledge, skills, and social competences for the course/module:

Basic knowledge on morphology and diversity of insects.

Student's own work:

- preparation for classes: 40h
- reading scientific papers: 20h
- group working: 30h

Description:

Educational aims:

Introduction to the biology and systematics of ants.

Course content:

Lecture: Systematics of ants, characteristics of subfamilies, characteristics of genera known from Poland and Central Europe, ants' distribution and role in the ecosystem, methods of communication, foraging strategies, life cycles, social systems, social parasites, evolutionary trends, phylogeny, the importance of ants in nature and agriculture.

Fieldwork: introduction to the basic and most common methods of ants' collecting, developing and practicing skills on species determination on the subfamily, genus and species levels, recognizing the most common species and species-groups.

Laboratory: introduction to the basic methods of ants' preparation, studies on ants' morphology, developing experience in specimen determination on the subfamily, genus and species levels.

Learning outcomes:

Intended learning outcomes

Student:

K_W03

knows and understands the basics of ants' morphology, biology and phylogeny;

K_U01

determines Central European ants to the subfamily and genus levels and lists their morphological characteristics; recognizes the most common ant species in the field;

K_W01

describes the role of ants in natural and anthropogenic habitats;

K_U04

independently collects material in the field and properly manage and process collected material at the laboratory;

K_K03

sees the need to protect biodiversity.

Assessment methods and assessment criteria:

Assessment methods for the intended learning outcomes:

- Lectures:
- written test
- Fieldwork and laboratory:
- continuous assessment

Credit requirements for individual components of the course/module:

- Lectures:
- written test
- Fieldwork and laboratory:
- continuous evaluation.

Course credits in various terms:

<without a specific program>

Type of credits	Number	First term	Last term
European Credit Transfer System (ECTS)	4	2023/24-L	