

## SYLLABUS

**Name:** How to write a research project? (25-BI-S2-E1-WRP-AN)

**Name in Polish:** Jak pisać projekt badawczy?

**Name in English:** How to write a research project?

### 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

Completed BSc course.

Student's own work:

- preparation for classes: 15h

- reading publications: 5h

- preparing projects: 20h

### Description:

Educational aims:

(a) prepare students to independently plan research and data collection, according to the specificity of the habitat, studied group of organisms and the type of data;

(b) teach how to meet the formal and administrative requirements during the preparation and implementation of the project;

(c) to develop the skills needed to create competitive grant proposals, and building and advertising a scientific profile;

(d) teach how to locate available funding opportunities.

Course content:

Characteristics and functioning of the studied ecosystems; selecting methods and techniques adequate to the planned research project; data management process and its preparation for analysis, administrative requirements in obtaining a permission for the field research; biological samples collection in the light of the Nagoya Protocol and the Convention on Biological Diversity; external funding opportunities and formal requirements in the preparation of the research project.

### Bibliography:

Mandatory and recommended reading list:

Materials indicated by the teacher during seminars.

### Learning outcomes:

Intended learning outcomes

Student:

K\_W15

-has in-depth and well-established knowledge in the field of finding external sources of funding for scientific projects and knows legal regulations enabling research and regulating its scope;

K\_U04

-independently selects appropriate methods for planned research;

K\_U09

-prepares a research project proposal that meets the formal requirements of the selected grant opening, has a properly selected methodology and contains a properly constructed: grant justification underlying the significance of the project, its plan and budget;

K\_K01

-uses the acquired knowledge on writing project proposals and scientific communication, and understands the need to constantly deepen knowledge in this area;

K\_U12

-creates a scientific CV that meets the requirements of the selected grant opening and efficiently manages its brand by maintaining consistency between profiles that accumulate information on scientific activity (including ORCID, Scopus, RG);

K\_K02

-presents the goals and significance of the planned scientific project using various techniques and communication tools;

K\_U13

-uses terminology and vocabulary necessary to explain and describe biological processes.

### Assessment methods and assessment criteria:

Assessment methods for the intended learning outcomes:

- continuous evaluation;

- preparation of a draft of the research project.

Credit requirements for individual components of the course/module:

- presentation of the planned research project (grant proposal) in the form of a research interview.

### Course credits in various terms:

| <without a specific program>           |        |            |           |
|--|--------|------------|-----------|
| Type of credits                        | Number | First term | Last term |
| European Credit Transfer System (ECTS) | 2      | 2023/24-Z  |           |