

SYLLABUS

Name: *Ecology and evolution of parasites and parasitism (25-BI-S2-W-EEPP-AN)*

Name in Polish: *Ekologia i ewolucja pasożytów i pasożytnictwa*

Name in English: *Ecology and evolution of parasites and parasitism*

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:

The student knows the basic terminology in the field of parasitology, epidemiology and ecology.

Student's own work:

- preparation for seminar: 25h
- reading the indicated literature: 15h
- preparation of essay: 25

Description:

Educational aims:

Characteristic of parasites-host relationships, ecological and evolutionary aspects of these relationships.

Course content:

Theories of origin of parasitism. Origin of human parasites. Parasites and human evolution. Nature of parasite populations and communities. Complex life cycles - origin and consequences. Host-parasite coevolution and host specificity. Adaptations and strategies of parasites. Eco-epidemiology of parasitic diseases.

Bibliography:

Mandatory and recommended reading list:

Selected articles given by teacher

Combs C. 2001. Parasitism: The Ecology and Evolution of Intimate Interactions. The University of Chicago Press Ltd, Chicago, USA; the chosen chapters / parts

Poulin R. 2007. Evolutionary Ecology of Parasites (2nd Second Edition). Princeton University Press, Princeton, New Jersey USA; the chosen chapters / parts

Learning outcomes:

Intended learning outcomes

Student:

K_W01

knows and analyzes parasitism as specific and complex relationship between species;

K_W06

knows the parasite's life strategies and understand the consequences also for epidemiology;
knows the origin of human parasites and analyzes the role of parasites in human evolution;

K_U07

analyzes and selects information on parasites and parasitic diseases;

K_K03

is aware of the role and importance of knowledge about parasites, parasitic infections depending on ecological and geographical aspects and human behavior;

K_K07

is able to use objective sources concerning the subject of the course.

Assessment methods and assessment criteria:

Assessment methods for the intended learning outcomes:

- Lectures:
- essay;
- Seminars:
- student's activity, oral presentation.

Credit requirements for individual components of the course/module:

- essay;
- oral presentation.

Course credits in various terms:

<without a specific program>			
Type of credits	Number	First term	Last term
European Credit Transfer System (ECTS)	3	2023/24-Z	