



Course title: APPLIED ENTOMOLOGY

ECTS credit allocation (and other scores): 5.0

Semester: spring

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

Branch of science: Agricultural sciences

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: dr inż. Elżbieta Topa, Department of Entomology, Phytopathology and Molecular Diagnostics, topa@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES: Characteristics of groups: Nematoda, Gastropoda, Arachnoidea, Insecta, and selected insect orders: Orthoptera, Hemiptera, Thysanoptera, Diptera, Lepidoptera, Coleoptera, Hymenoptera. Pests of major crops: cereals, oilseed rape, root crops, legumes, vegetables, orchards. Pests of storage and crops under cover. Morphology, biology, harmfulness, threshold values and methods of combating economically important species. Useful entomofauna in agroecosystems (predators, parasitoids, pollinators), morphology, biology and importance of selected species.

Learning purpose: To acquaint students with ecology, biology, harmfulness and methods of combating economically important pests of agricultural crops.

On completion of the study programme the graduate will gain:

Knowledge: The graduate has knowledge about ecology, biology, harmfulness and control major pests of agricultural crops.

Skills: Graduates can recognize major species of pests in natural environment.

Social Competencies: A graduate is aware of the risks associated with the use of insecticides for plant protection.

Basic literature: D.V. Alford., A. 1999. Textbook of Agricultural Entomology. Blackwell Science; D. V. Alford. 2000. Pest and Disease Management Handbook. Blackwell Science

Supplementary literature: D.V. Alford. 1995. Atlas of Pests of Ornamental Trees, Shrubs and Flowers

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 2.56

Student's independent work: 2.44