

ENTOMOLOGY (BIOLOGY, III th Year of study, V th Semester)

Credit value (ECTS): 6

Course category: mandatory

Course holder: Lecturer dr. Bădeanu Marinela

Discipline objectives (course and practical works)

- to elements morphology, anatomy, biology and ecology of insects;
- knowledge of the main groups of insects and systematic links between them;
- the description of the species of insect pests, presentation biology, and an indication of how certain elements of pest eradication program;
- presenting methods and laboratory techniques and determining the study of insects, techniques for the collection and preservation.

Contents (syllabus)

Course (chapters/subchapters)
1. Entomology- subject, importance, history and relationship with other sciences.
2. The external morphology of the body: the head, thorax and abdomen, and their appendices.
3. The anatomy and physiology of insects.
4. The development of insects.
5. The ecology of insects.
6. Systematic and characterization of the major insect orders
7. Ord. Orthoptera (main species),
8. Ord Coleoptera (main species)
9. Ord. Diptera (main species) Ord. Heteroptera (main species)
10. Ord. Hymenoptera (main species)
11. Ord. Homoptera (the main species)
12. Ord. Lepidoptera (main species)

Practical works
1. Insect external morphology of the body;
2. The thorax and abdomen and their appendices;
3. The development of insects. Types of larvae and pupae;
4. Types of damage of cultivated plants caused by insects key
5. Systematic and determining the orders of insects
6. Description of the determination of the main species of insects and pests of the order Orthoptera and determination
7. Description of the determination of the main species of insects and pests of the order Coleoptera and determination
8. Description of the determination of the main species of insects and pests of the order Coleoptera and determination- part II
9. Description of the main species of insect pests of the order Diptera, Heteroptera.
10. Description of the insect species to determine the main pests of the order Hymenoptera and Homoptera.
11. Description and determination of the main species of harmful insects of the order Lepidoptera.

12. Description and determination of main insect of the order Lepidoptera species- part II

Bibliography

1. Bădeanu Marinela, 2007, Entomologie, Editura Pim, Iași
2. Enea Ioan Cătălin, Bădeanu Marinela, 2017, Entomologie, Editura Succeed Publishing, Medgidia, 183 pg., ISBN 978-606-8218-90-8

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	70 %
	presence	
Practical works	practical	30%

Contact

Șef lucr. Dr. Bădeanu Marinela

Faculty of Horticulture - ULS Iasi

Aleea Mihail Sadoveanu nr. 3, Iași, 700490, România

telefon: 0232407541 birou USAMV, fax: 0040 232 219175

E-mail: BadeanuM@uaiasi.ro ; badeanumarinela@yahoo.com