

ACAROLOGY AND NEMATOPLOGY (Horticulture, master PP, I th Year of study, I.th Semester)

Credit value (ECTS): 8

Course category: mandatory

Course holder: Lecturer dr. Bădeanu Marinela

Discipline objectives (course and practical works)

- theoretical and practical study to two groups of invertebrate animals ,present in agricultural ecosystems and frequently affects crop
- creation of a solid theoretical and practical knowledge to enable Diagnosis of pests in these groups,

Contents (syllabus)

Course (chapters/subchapters)
1. Nematology- subject, importance, history and relationship with other sciences.
2. External body morphology and morphological types of body nematode
3. Anatomy, physiology, development and reproduction of nematodes nematodes
4. Ecology and types of parasitism
5. Harmful nematode species of the tubers and bulbs, root system
6. Harmful nematode species in cereals and grasses spontaneous
7. Harmful nematodes, protection, storage
8. General Acarologia- body
9. The external morphology and morphological types of body mites
10. The internal organization, reproductive and developmental
11. The main mite species in tree
12. The main species harmful mites harmful to the vine
13. The main species of mites harmful to plants vegetable and flower
14. The main species of harmful mites in agricultural crops , in protected or storage

Practical works
1. Techniques for collecting and carrying out laboratory preparations in nematology
2. Determination with dichotomy keys of nematodes
3. The morphology of the nematode pests in crops
4. Field Nematode Nematode pests in vegetable crops
5. Nematode pests in protected areas
6. Nematode pests under various conditions
7. Diffrent nematode pests
8. Techniques for collecting and carrying out laboratory preparations Acarology
9. Determination of mites and keys external morphology of the body dichotomy
10. Mites harmful to mites in field
11. Harmful mites in flower
12. Harmful mites of fruit
13. Harmful mites vegetable
14. Harmful mites in Vineyards

Bibliography

1. Marinela Bădeanu, 2005, Zoologie agricolă, Editura Tehnopress Iasi, 213 pg, ISBN. 973-702-768-8
2. Savescu Al, Tratat de Zoologie agricolă, vol. II,

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	60%
	presence	
Practical works	practical	30%

Contact

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