**Planning and evaluating of plant protection trials MTMNO7026A**

Plant protection entomology I. MTMNO7008A

Name and code of the subject: Plant protection entomology I, MTMNO7008A

Name and title of the person responsible for the subject: Dr. Antal Nagy, associate professor

Additional instructors involved in teaching the subject: Eszter Szilágyi

Name and level of the program: Plant protection MSc

Subject type: applied natural sciences

Teaching timetable of the subject, type of examination: 2+1, E

Credit value of the subject: 3

Purpose of teaching the subject: Characterisation of the most important pest species of Lepidoptera

and Hymenoptera orders considering their biology, economic importance, control and monitoring

methods (especially cultural and biological methods).

Content of the subject (14 weeks):

Lepidoptera in general. Most important pests of Mandibulata, Exoporia, Monotrysia

2. Most important pests of Lionetiidae, Gracilariidae

3. Most important pests of Coleophoridae, Plutellidae, Acrolepiidae, Argyresthiidae,

Ypsolophidae, Tineidae

4. Most important pests of Gelechiidae, Depressariidae, Oecophoridae, Agonoxenidae,

Yponomeutidae

5. Most important pests of Tortricidae 1.

6. Most important pests of Tortricidae 2.

7. Most important pests of Pyralidae, Choreutidae

8. Most important pests of Cossidae, Sesiidae, Zygenidae, Geometridae,

9. Most important pests of Lasiocampidae, Lymantriidae, Arctiidae, Noctuidae 1.

10. Most important pests of Noctuidae 2.

11. Most important pests of Saturniidae, Shingifdae, Pieridae, Papilionidae, Nymphalidae

12. Hymenoptera in general. Most important pests of Tentredinidae 1.

13. Most important pests of Tenthredinidae 2.

14. Most important pests and beneficial species of Vespidae, Ischneumonidae

Type of mid-term examination: lectures are suggested, the attendance of practices (at least

70%) is obligatory

Method of assessment (semester examination mark - report, practical grade, colloquium,

examination): damage and pest recognition, test (exam)

Teaching aids: slides of presentations

Recommended literature:

Marczali Zs. (2020): Modul of applied entomology: Field pests in temperate zone of Europe

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