**Collection and preparation of insects and plants MTMNO7029A**

Name and code of the subject: Collection and preparation of insects and plants MTMNO7029A

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: facultative subject

Teaching timetable of the subject, type of examination: 0+2, P

Credit value of the subject: 3

Purpose of teaching the subject:

Review of sampling methods of insect and plants and test them in field conditions. Preservation

of the collected economically important species (pests and weeds), making a pest and weed

collections. Review of the tasks and organization of natural history collections and museums.

Content of the subject (14 weeks):

1. Task and importance of scientific collections, organization and establishment of natural

history collections.

2. collecting and preserving methods of plants

3. Visit the scientific collections of the University of Debrecen

4. Overview sampling methods od insects, methods of data collection

5. Theoretical background of collection and preservation of economically important taxa:

Nematoda, Mollusca, Blattoptera, Orthoptera

6. Theoretical background of collection and preservation of economically important taxa:

Coleoptera, lepidoptera, Hymenoptera, hetroptera, Cicadomorpha, Aphids

7. Field samplings 1.

8. Field samplings 2.

9. Field samplings 3.

10. Processing the collected samples.

11. Processing the collected samples.

12. Processing the collected samples.

13. Processing the collected samples.

14. Processing the collected samples.

Type of mid-term examination: the attendance of practices (at least 70%) is obligatory

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

examination): insect and plant collections made during practices is evaluated

Teaching aids: slides of presentations

Recommended literature:

Murray S. Upton and Beth L. Mantl (2010): Methods for Collecting, Preserving and Studying

Insects and other terrestrial arthropod. AUSTRALIAN ENTOMOLOGICAL

SOCIETY. Canberra https://doi.org/10.1111/j.1440-6055.2012.00871.x