**Mycology and fungal toxicology I. MTMNO7028A**

Name and code of the subject: Mycology and fungal toxicology I, MTMNO7028A

Name and title of the person responsible for the subject: Dr. László Radócz associate professor

Additional instructors involved in teaching the subject:-

Name and level of the program: Plant Protection MSc

Subject type: optional

Teaching timetable of the subject, type of examination: 4+1/Practical

Credit value of the subject: 5

Purpose of teaching the subject:

Students should learn about the most important edible and toxic large fungi, the types of

poisoning, and how to control them. Be aware of the ecological significance of fungi, their

body composition and possible ways of forming their fruiting bodies.

Content of the subject (14 weeks):

1. The place of fungi is the living world, their body structure

2. Types of hyphae and fruiting bodies,

3. The ecological role of fungi

4. Type of production site,

5. Mycorrhizae

6. Damage caused by fungi and their recovery

7. Rules for mushroom collection

8. Qualification of mushrooms, mushroom testing

9. Cultivation of mushrooms

10. Cultivation of oyster mushrooms

11. Growing shii-take mushrooms

12. Growing of other mushroom species

13. Processing and preserving mushrooms

14. The dietary significance and nutritional value of mushrooms.

Type of mid-term examination: field report

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

examination): Practical colloquium

Teaching aids: lecture slides

Recommended literature:

1. Ewald G. Handbook of Mushrooms. Artamira Publishing House, Budapest (2010). (ISBN

978-963-9889-13-2)

2. Rimóczi I. Mushrooms of Central-Europe. CD-ROM Kossuth Publishing House, Budapest