**Biological plant protection I. MTMNO7035A**

Name and code of the subject: Biological plant protection II., MTMNO7035A

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: 2+0/Practical

Credit value of the subject: 3

Purpose of teaching the subject:

Demonstration of the use of biological plant protection against plant pathogens and weeds.

Introduction to related biotechnological processes.

Content of the subject (14 weeks):

1. Basics of biological plant protection against pathogens,

2. Mycoparasitism

3. Antibiotics

4. Saprobion competition

5. Viruses against plant pathogens

6. Hypovirulence and mycoviruses

7. Bacteria against plant pathogens,

8. Hyperparasitic fungi

9. Natural enemies of flowering parasites,

10. History of biological weed control

11. Biological weed control with microorganisms

12. Biological weed control with animals

13. Applications of bioherbicides

14. Bioherbicides in the world

Type of mid-term examination: mid-year audit

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

examination): Practical colloquium

Teaching aids: lecture slides

Recommended literature:

1. Radócz L .: Modern plant protection, II-IV. (Fundamentals of Plant Protection in Major

Field and Horticultural Crops). University Publishing House, Debrecen (2010). (ISBN: 978-

606-10-0181-1).

2. Fischl G .: Basics of biological plant protection. Farmer Publishing House, Budapest

(2000). (ISBN 963 9239 57 7)

3. http:

//www.tankonyvtar.hu/en/tartalom/tamop425/0010\_1A\_Book\_08\_Novenyvedelem/adatok.1