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| **Title and Code** of the subject: **Disease control, MTMAL 7020A** | **ECTS Credit Points: 3** |
| **Type** of the subject: compulsory / optional  |
| **Ratio of theory and practice: 100/0** (credit%) |
| **Type and number of classes per semester**: 28 hour(s) lecture and 0 hour(s) practice per **semester** Number of teaching hours / week : eg.:2+0 (lecture and practice) |
| **Type of exam**: exam / practical course mark |
| **Subject in the curriculum:** semester IV. |
| Preliminary requirements:- |

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| **Summary of content - theory**:  |
| Course objectives: the subject deals with the prevention and control of farm and wild animal diseases. Programs for the control of communicable diseases between animals and humans (zoonoses) has a great part in the subject. During the farm visit of the Research Farm of University of Debrecen, the students has a chance to see these theories in the practical area.1. General epidemiology I.
2. General epidemiology II.
3. Development and proceedings of infectious diseases
4. Factors affecting the spreading of infectious diseases
5. Signalling of infectious diseases.
6. Prevention of infectious diseases in animal health
7. Prospects of preventing infectious diseases
8. Animal health and epidemiology administration system in the European Union
9. Epidemiology formulae and conventions in animal health.
10. Epidemiology of the most important viral diseases
11. Epidemiology of the most important bacterial diseases.
12. Epidemiology of the most important prion caused diseases.
13. Zoonotic diseases.
14. Consultation, farm visit.
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| **Summary of content - practice**: |
| **Literature, handbooks in English**  |
| Keeping livestock healthy 4th edition (N. Bruce Haynes). 2001. Storey Publishing LLC.ISBN-13: 978-0882668840 ISBN-10: 0882668846 Relevant laws and regulations of the European Union. |
| **Competencies gained** *(acc. to the Regulation on training and outcome requirements)* |
| 1. **Knowledge:**
* xx
* xx
1. **Skills:**
* xx
* xx
1. **Attitude:**
* xx
1. **Autonomy and responsibility:**
* xx
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| **Responsible lecturer: Dr. Nora Vass Palfyne** |

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| **Terms of course completion:** |
| 1. Attendance ina t least 70% of the lectures
2. Giving presentation
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| **Form of examination:** |
| oral exam |
| **Requirement(s) to get signature:** |
| attendance of at least 70% of the lectures, presenting a PPT presentation |

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| **Exam questions:** |
| 1. The concept of epidemiology in animal health
2. The concept of infectious disease
3. Causative agents of infectious diseases
4. Spreading of infectious diseases
5. Local and general infectious diseases
6. Absolute and facultative pathogens.
7. Vectors
8. Zoonotic diseases
9. Endemism, epidemia, pandemia, morbidity, mortality, lethality
10. Prevention of infectious diseases, epidemiology control.
11. Administration system of animal health.
12. Rabies, Aujeszky’s disease
13. Classical and african swine fever, PRRS
14. Newcastle disease
15. FMD, influenza viruses, myxomatosis, RHD, bluetongue
16. Prions
17. TBC, salmonellosis, brucellosis
18. Clostridial diseases
19. Paratuberculosis, Mycoplasmosis
20. Anthrax
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