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| **Title and Code** of the subject: **Animal Farm Technologies** MTMAL7012A | **ECTS Credit Points: 3** |
| **Type** of the subject: compulsory | |
| **Ratio of theory and practice: 60/40**(credit%) | |
| **Type and number of classes per semester:** 2 hour(s) lecture and 1 hour practice per **semester**  Number of teaching hours / week : eg.:2+1 (lecture and practice) | |
| **Type of exam**: exam | |
| **Subject in the curriculum:** semester 3 | |
| Preliminary requirements:- | |
| **Summary of content - theory**: | |
| Course objectives:  1.: Agriculture sustainability and intensive production practice  *2.-3.:* The control of homeostasis: endocrine system.  4.: The stress: interaction of the farm animal and the environment of production  5.-6..: Dairy cattle farming technology  7.-8..: Beef farming technology  9-10.: Pig farming technology  11.-12.: Sheep farming technology  13.: Poultry farming technology  14.: Horse farming technology | |
| **Summary of content - practice**: | |
| Skills to be learnt:  1-2: Farm visit – Horse farm  3-5: Farm visit- Dairy cattle farm  6-9: Farm visit: Duck farm  10-12: Farm visit: Beef cattle farm  13-14: Farm visit: Sheep farm | |
| **Literature, handbooks in English** | |
| 1. **Aland A**.- Madec F. (2017): Sustainable animal production. Wageningen Academic Publishers. ISBN:978-90-8686-099-9 2. **Gordon I**. (2017): Reproductive technologies in farm animals. 2.nd edition CABI.ISBN: 978-1-78064-603-9 3. **O.Reece W. (1997):** Physiology of Domestic Animals. Second edition. Lippincott Williams and Wilkins. ISBN:0-683-07240-4 4. **David Tilman et.al:** Agricultural sustainability and intensive production practices NATURE | Vol 418 | 8 August 2002 | [www.nature.com/nature](http://www.nature.com/nature) 5. **FAO (2018)**: The state of food and agriculture ISBN 978-92-5-130568-3 <http://www.fao.org/3/I9549EN/i9549en.pdf> | |
| **Competencies gained** *(acc. to the Regulation on training and outcome requirements)* | |
| 1. **Knowledge:**  * Knows and applies the modern animal husbandry technologies. * Knows the right animal welfare and animal hygiene standards.  1. **Skills:**  * Able to develop and implement new farm animal technologies and methods. * Capable of developing and adapting new technological methods fit to the agro-ecological potential of the production plant.  1. **Attitude:**  * Responsive to using sustainable and environmentally friendly methods. * Requires the professional development and undertakes self-development through special trainings.  1. **Autonomy and responsibility:**  * Independently selects the applied farm animal technologies. * Has professional responsibility in work organization and task selection. | |

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| **Responsible lecturer: Gabriella Novotin-Dankó, Phd, associate professor** |
| **Other lecturer(s): ………..., ………………….** |

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| **Terms of course completion:** |
| 1. Completing assignments / exercises 2. Submitting essay |
| **Form of examination: written** |
| The minimum requirement for the end-term tests is 40%. Based on the score of the tests separately, the grade for the tests is given according to the following table:  Score Grade  0-39 % : fail (1)  40-52 %: pass (2)  52-63%: satisfactory (3)  64-71%: good (4)  72-80%: excellent (5)  If the score of the sum of the test is below 40, the student once can take a retake test of the whole semester material. |
| **Requirement(s) to get signature:** |
| Attendance at **lectures** is recommended, but not compulsory. Participation at **practice** is compulsory. Students must attend the practice classes and may not miss more than three times during the semester. In case a student does so, the subject will not be signed and the student must repeat the course. The farm visits will be on a pre-agreed time with the farm managers, the students will be informed in advance about the timing. Being late is counted as an absence. In case of further absences, a medical certificate needs to be presented. Active participation is evaluated by the teacher. If a student’s behavior or conduct doesn’t meet the requirements of active participation, the teacher may evaluate his/her participation as an absence because of the lack of active participation in class. |
| **Exam questions:** |
| 1. Agriculture sustainability and intensive production practice 2. The control of homeostasis: endocrine system. 3. The stress: interaction of the farm animal and the environment of production 4. Dairy cattle farming technology 5. Beef farming technology 6. Pig farming technology 7. Sheep farming technology 8. Poultry farming technology 9. Horse farming technology |