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| **Title and Code** of the subject: **World animal breeding MTMAL7018A** | **ECTS Credit Points: 3** |
| **Type** of the subject: compulsory / optional  |
| **Ratio of theory and practice: 66/33** (credit%) |
| **Type and number of classes per semester**: 28 hour(s) lecture and 14 hour(s) practice per **semester** Number of classes per week: 2+1 (lecture and practice) |
| **Type of exam**: exam  |
| **Subject in the curriculum:** semester 4 |
| Preliminary requirements:- |

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| **Summary of content - theory**:  |
| Course objectives: Definition and areas of animal breeding policy; relationship between agricultural policy and animal breeding policy. Estate structure of animal husbandry, concentration of livestock. Animal husbandry activities of farmers, planning. Funding of animal husbandry. Safeguarding and harmonization of interests in animal husbandry. Species discussed: rabbit, sheep, cattle, llama, goat, pig, poultries, horse, buffaloe, fish, camel, alpacca, mollusks, crustaceans1. Economic impact of the livestock industry in different regions
2. Sustainable animal husbandry (safe, humane and sustainable ways).
3. Systems of production. Management, housing and equipment
4. Main diseases. Maintenance of health
5. Main products and product quality
6. Ratio of species and its regulation in animal husbandry, determination of the production, profitability
7. Methods and tools of the qualitative development of animal husbandry.
8. International co-operation. Special tasks of animal husbandry (nature conservation, environmental protection)
9. Environmental impact of animal husbandry. Animal husbandry policy of farmers.
10. Directions, tools, results of developing animal breeding
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| **Summary of content - practice**: |
| Skills to be learnt: 1. Economic impact of the livestock industry in different regions
2. Sustainable animal husbandry (safe, humane and sustainable ways).
3. Systems of production. Management, housing and equipment
4. Main diseases. Maintenance of health
5. Main products and product quality
6. Ratio of species and its regulation in animal husbandry, determination of the production, profitability
7. Methods and tools of the qualitative development of animal husbandry.
8. International co-operation. Special tasks of animal husbandry (nature conservation, environmental protection)
9. Environmental impact of animal husbandry. Animal husbandry policy of farmers.
10. Directions, tools, results of developing animal breeding
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| **Literature, handbooks in English**  |
| 1. WJA Payne and RT Wilson (1999): Introduction to Animal Husbandry in the Tropics. Blacwell Publishing.
2. [Acker, Duane](http://www.books.co.uk/books_by_acker-duane.html) & [Tour, Mickey La](http://www.books.co.uk/books_by_tour-mickey-la.html) & [Cunningham, Merl](http://www.books.co.uk/books_by_cunningham-merl.html) (2004): Animal Science and Industry. 7th ed. Pearson Education Limited.
3. [James Blakely](http://www.bestwebbuys.com/James_Blakely-author.html?isrc=b-compare-author), [David H. Bade](http://www.bestwebbuys.com/David_H_Bade-author.html?isrc=b-compare-author) (1994): Science of Animal Husbandry. 6th ed. Reston Publishing Company, Inc. Reston, Virginia
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| **Competencies gained** *(acc. to the Regulation on training and outcome requirements)* |
| 1. **Knowledge**

The students learn about the estate structure of animal husbandry, concentration of livestock. Animal husbandry activities of farmers, planning. Sustainable animal husbandry, ratio of species and its regulation in animal husbandry, determination of the production, profitability. 1. **Ability**

They can make detailed analysis of the various ideas that make up the knowledge system of the given field, they can synthesize the comprehensive and special contexts and perform an adequate evaluation activity.They will be able to identify specific professional problems with a versatile, interdisciplinary approach, and explore and formulate a detailed theoretical and practical background to their solution.1. **Attitude**

After the course the students will be open, motivated and receptive to the innovative processes, understand the practical application of technologies. The students will be committed to quality work, will adopt and apply scientific research and ethical rules and norms applicable to practical production.1. **Autonomy and responsibility**

With the mastery of the course the student has considerable autonomy in the given field, and has a sense of responsibility of the food produced in safety, quality. They feel responsible for the immediate and wider social groups of high-quality food production and so they are able to take decisions responsibilities. |

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| **Responsible lecturer: Dr. Rózsáné Dr. Várszegi Zsófia**  |

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| **Terms of course completion:** |
| 1. Submitting an essay
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| **Form of examination:** |
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| **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. Attendance at practice classes will be recorded by the practice leader. |

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| **Exam questions:** |
| 1. Importance of animal husbandry in the world
2. Importance of poultry farming in the world
3. Importance of cattle husbandry in the world
4. Importance of sheep husbandry in the world
5. Importance of pig husbandry in the world
6. Importance of goat husbandry in the world
7. Importance of fish farming in the world
8. Most important breeds used in cattle husbandry.
9. Most important breeds used in sheep and goat husbandry
10. Most important breeds used in pig husbandry
11. Environmental impact of animal husbandry
12. International co-operation.
13. Special tasks of animal husbandry (nature conservation, environmental protection)
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