



CURRICULUM OF SUBJECT

Subject:	Animal Breeding
Specialization:	Veterinary
Term of the subject:	2 nd year 2 nd semester (the 4 th semester in fall)
Number of lectures/semester practicals/semester	45 lectures/semester and 30 practicals/semester
Credit:	5
Prerequisites:	Exam on Veterinary Genetics and extramural farm practice. A subsequent summer farm practical is compulsory to register for Nutrition-1

Name of Department:	Department for Animal Breeding, Nutrition and Laboratory animal science. Division of Animal Breeding and Genetics
Responsible teacher (email):	dr. habil. András Gáspárdy (gaspardy.andras@univet.hu)
Teacher(s) take part in teaching:	dr. habil. András Gáspárdy, Prof. László Zöldág, dr. habil. Ákos Maróti-Agóts, Ph.D. Boglárka Vincze, Ph.D. Petra Zenke, Dr. Zsolt Szmodits, László Szabára
Aim of subject:	Husbandry guidelines for farm livestock, major hen species and pet (dog and cat) animals. An introduction to the characterization and utilization of main domestic animal species. To develop a basic understanding of specific purpose of animals under given cultural, economical and geographical condition.

Weekly schedule of lectures

Week	
1.	Horse breeding introduction, Horse colour inheritance and genotyping
2.	Use of horses, traits, Breeding value estimation, horse breeding methods, improvement
3.	Horse breeds (warm blooded, cold blooded, ponies, types) and asses, Horse reproduction, genetic diseases
4.	Cattle breeding introduction, Dairy traits
5.	Breeding value estimation of dairy cattle, Beef cattle traits
6.	Breeding value estimation of beef cattle, Cattle reproduction and genetic diseases



7.	Methods of cattle breeding, Sheep and goat introduction
8.	Sheep and goat traits, Sheep and goat reproduction and genetic disease
9.	Sheep and goat breeding methods, Sheep and goat breeds
10.	Pig introduction, pig traits and breeding value estimation
11.	Pig breeds and breeding methods, Pig reproduction and genetic diseases
12.	Dog breeding, Dog reproduction and genetic diseases
13.	Cat breeding, Cat reproduction and genetic diseases
14.	Hen breeding (broiler production), Hen breeding (egg production)
15.	Turkey and pigeon breeding, Ducks and goose breeding
Recommended literature	
Obligatory:	Zöldág, L. - Gáspárdy, A. – Maróti-Agóts, Á. – Buleca, J. – Seregi, J. – Matiuti, M. (2008): <i>Veterinary genetics and animal breeding</i> (ed. Zöldág László). A/3 Printing Ltd., Budapest, ISBN 978-963-88110-0-4.
Recommended:	Understanding Animal Breeding Richard M. Bourdon Second Edition, 2014 Pearson ISBN 10: 1-292-04003-3
Type and method of exam:	
Exam within the exam period which consists of two (practical and theoretical) parts. At first, students are controlled by a questionnaire on computer (according to their rapid answers to basic figures, breeds, tools, wool samples and age determination) as a threshold to enter into the theoretical part. The performance from 60% is successful. And then, they choose four questions, and after a preparation time they answer these orally. All the four questions should be answered (a single unknown question leads to failure). All questions are published in advance. In case of failed exam, students with at least 80% performance in computer test do not need to repeat the practical part. Time span between the exam failed and its re-take should exceed 5 days.	
Note(s):	
A subsequent summer farm practical is compulsory. A summer report, as well as a diary describing the daily activities shall be prepared and handed in by the beginning of the actual	



semester. Submission of them is a prerequisite for attendance of the subject and for exam on it.

Responsible tutor of the class is Dr. Boglárka Vincze (vincze.boglarka@univet.hu), veterinarian.

The teacher responsible for the subject (Dr. Gáspárdy András) gives through the up-to-date materials of the lectures and practical to the class representative on the course of the semester.

The question lists for the practical as well as for the theoretical part of the exam are preliminary brought out (GAT.univet.hu, and on the Institutional homepage: www.univet.hu, respectively).

Three absences from the practical are allowed, but the re-take of them is compulsory. The presence is controlled on every occasion. On the course of a re-take student have to account for the knowledge of the missed practical by the lecturer who kept the practical/lab still during the semester.