

UNIVERSITY OF ZAGREB
 FACULTY OF VETERINARY MEDICINE
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Veterinarski fakultet u Zagrebu	
Primljeno:	17.01.2019
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602-04/19-23/19	251-61-22;251-61-09;
Urudžbeni broj	Prilozi Vrijednost
251-61-09-19-01	0 -

COURSE SYLLABUS

Course name: ANIMAL BREEDS CHARACTERISTICS

Academic year 2018-19

Course leader: Maja Maurić, PhD, Assistant Professor

Teachers: Velimir Sušić, PhD, Full Professor
 Anamaria Ekert Kabalin, PhD, Full Professor
 Sven Menčik, PhD, Assistant Professor

Associate teachers: Ivan Vlahek, DMV

First day of classes: 3.4.2019.

Last day of classes: 5.6.2019.

Timetable for LECTURES academic year 2018-2019

LECTURES				
Date	Methodological unit	Teacher	Location / time	Literature
3.4.2019.	Introduction to breeding of animals	Maja Maurić, PhD, Assistant Professor	Department of Animal Breeding and Livestock Production 10,00-11,00 hrs	Literature list (selected chapters from the books, textbooks and other publications)
4.4.2019.	General and specific biological characteristics of animals	Sven Menčik, PhD, Assistant Professor	Department of Animal Breeding and Livestock Production 10,00-12,00 hrs	Literature list (selected chapters from the books, textbooks and other publications)
4.4.2019.	Introduction to breeding methods. Breeds of pigs and poultry	Anamaria Ekert Kabalin PhD, Full Professor	Department of Animal Breeding and Livestock Production 12,00-14,00 hrs	Literature list (selected chapters from the books, textbooks and other publications)
5.4.2019.	Breeds of cattle and horses	Maja Maurić, PhD, Assistant Professor	Department of Animal Breeding and Livestock Production 12,00-14,00 hrs	Literature list (selected chapters from the books, textbooks and other publications)
10.4.2019.	Breeds of dogs and cats	Anamaria Ekert Kabalin PhD, Full Professor	Department of Animal Breeding and Livestock Production 12,00-14,00 hrs	Literature list (selected chapters from the books, textbooks and other publications)
12.4.2019.	Breeds of sheep and goats	Velimir Sušić, PhD, Full Professor	Department of Animal Breeding and Livestock Production 8,00-10,00 hrs	Literature list (selected chapters from the books, textbooks and other publications)
17.5.2019.	Most important species of laboratory animals. Rabbits, fur animals, cage pets	Sven Menčik, PhD, Assistant Professor	Department of Animal Breeding and Livestock Production	Literature list (selected chapters from the books, textbooks and other publications)

			8,00-10,00 hrs	
20.5.2019.	Domestication of animals. Autochthonous breeds. Conservation genetics in animals breeding	Velimir Sušić, PhD, Full Professor	Department of Animal Breeding and Livestock Production 12,00-13,00 hrs	Literature list (selected chapters from the books, textbooks and other publications)

Timetable for SEMINARS academic year 2018-2019

SEMINARS					
Date	Methodological unit	Teacher	Group	Location / time	Literature
15.4.2019.	Breeds and hybrids of pigs and poultry in Croatia	Teachers within Department of Animal Husbandry	-	Department of Animal Breeding and Livestock Production 14,00-16,00 hrs	Literature list Presentations of data from on-line basis
29.4.2019.	Breeds of cattle and horses in Croatia	Teachers within Department of Animal Husbandry	-	Department of Animal Breeding and Livestock Production 9,00-11,00 hrs	Literature list Presentations of data from on-line basis
2.5.2019.	Breeds of sheep and goat in Croatia	Teachers within Department of Animal Husbandry	-	Department of Animal Breeding and Livestock Production 14,00-16,00 hrs	Literature list Presentations of data from on-line basis
7.5.2019.	Breeds of dogs in Croatia	Teachers within Department of Animal Husbandry	-	Department of Animal Breeding and Livestock Production 12,00-13,00 hrs	Literature list Presentations of data from on-line basis
13.5.2019.	Animal species and breeds for milk production. Animal species and breeds for meat production	Teachers within Department of Animal Husbandry	-	Department of Animal Breeding and Livestock Production 16,00-18,00 hrs	Literature list Presentations of data from on-line basis
5.6.2019.	Animal species and breeds for wool (fibre) production	Teachers within Department of Animal Husbandry	-	Department of Animal Breeding and Livestock Production 14,00-15,00 hrs	Literature list Presentations of data from on-line basis

Timetable for PRACTICALS academic year 2018-2019

PRACTICALS						
Date	Methodological unit	Teacher	Type of practical	Group	Location / time	Literature
8.4.2019.	Description of animals (marking and registration of animals)	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 8,00-10,00 hrs	Prepared written materials of lectures and exercises
9.4.2019.	Description of animals (age-sex categories of animals. Introduction to age evaluation of animals)	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 11,00-13,00 hrs	Prepared written materials of lectures and exercises
10.4.2019.	Description of animals (assessment of exterior: colours and signs of horses, identification of horse)	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 10,00-12,00 hrs	Prepared written materials of lectures and exercises
11.4.2019.	Description of animals: Assessment of exterior: body measures, scoring systems	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 12,00-14,00 hrs	Prepared written materials of lectures and exercises
18.4.2019.	Colloquim 1. Description of animals.	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 12,00-14,00 hrs	Prepared written materials of lectures and exercises
30.4.2019.	Breeds and hybrids	Teachers /	exercises in	-	Department of	Prepared written materials

	of pigs and poultry	associate teachers within Department of Animal Husbandry	practicum		Animal Breeding and Livestock Production 12,00-14,00 hrs	of lectures and exercises
2.5.2019.	Types and breeds of cattle	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 10,00-12,00 hrs	Prepared written materials of lectures and exercises
6.5.2019.	Types and breeds of horses	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 18,00-20,00 hrs	Prepared written materials of lectures and exercises
9.5.2019.	Types and breeds of sheep and goats	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 14,00-16,00 hrs	Prepared written materials of lectures and exercises
10.5.2019.	Colloquium 2. Types and breeds of pigs, poltry, cattle, horses, sheep and goats.	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 16,00-18,00 hrs	Prepared written materials of lectures and exercises
14.5.2019.	Systematic of breed groups and breeds of dogs	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 12,00-14,00 hrs	Prepared written materials of lectures and exercises
15.5.2019.	Systematics of breeds groups and breeds of dogs (2). Systematics of breed groups and breeds of cats.	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 16,00-18,00 hrs	Prepared written materials of lectures and exercises

21.5.2019.	Field course - visit to a farm with multipurpose animal production	Teachers / associate teachers within Department of Animal Husbandry	field exercises	-	OPG Džakula 8,00-16,00 hrs	
24.5.2019.	Species of laboratory animals and cage pets.	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 16,00-18,00 hrs	Prepared written materials of lectures and exercises
31.5.2019.	Systematic of breed groups and breeds of dogs and cats and species of laboratory animals and cage pets - repetition	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 16,00-18,00 hrs	Prepared written materials of lectures and exercises
5.6.2019.	Colloquim 3. Systematic of breed groups and breeds of dogs and cats and species of laboratory animals and cage pets	Teachers / associate teachers within Department of Animal Husbandry	exercises in practicum	-	Department of Animal Breeding and Livestock Production 15,00-17,00 hrs	Prepared written materials of lectures and exercises

STUDENT OBLIGATIONS

Lecture attendance	a total of 6 points - the lowest number of points that a student should gain from this element is 3 points
Seminars attendance	a total of 6 points - the lowest number of points that a student should gain from this element is 4 points
Practicals attendance	a total of 6 points - the lowest number of points that a student should gain from this element is 4 points
Active participation in seminars and practicals	a total of 10 points from solving and interpretation of tasks - the minimum number of credits that a student should gain from this element is 5 points
Final exam	written: a total of 40 points (the lowest number of points that a student should gain from this element is 24 points)
Examination requirements	Student requirements are defined in the Regulations on the Integrated Undergraduate and Graduate Study of Veterinary Medicine. Given the above, the student must acquire a minimum number of points from all assessment elements in order to take the final exam. Article 45: a student can justifiably be absent from up to 50 % of the lectures; 30% of the seminars and 30 % of the exercises.

GRADING AND EVALUATING STUDENT WORK

Continuous knowledge-checking (mid-terms)	During the course 3 colloquia will be organised. The first has a total of 12 points and a student should gain at least 58% (7 points), while the other two have 10 points and a student should gain at least 65% (6.5 points). A total of 32 points is possible in this category. The minimum number of credits that a student should gain from this element is 20 points.
Final exams (dates)	Final exam schedule for summer session 2018/2019: <ul style="list-style-type: none"> - June 26, 2019 - July 10, 2019 - September 2, 2019 - September 18, 2019
Form of final exam	written

LITERATURE

Obligatory literature	Mason, I. L.: World dictionary of livestock breeds, types and varieties. 5th Edition. CABI Publishing, 2002. Fogle, B.: The new encyclopedia of the dog. Dorling Kindersley Publishing, Inc., 2000. Helgren, A.J.: Encyclopedia of cat breeds. Barrons Educational Series, Inc., 2013. Ward, J.D.: A Manual for laboratory animal management. World Scientific Publishing, 2008.
Optional literature	On-line basis with data about breeds of animals

OBJECTIVES AND LEARNING OUTCOMES

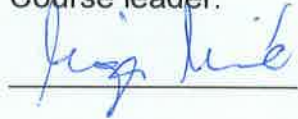
Course objectives	The course topics provide the student with knowledge about general animal breed characteristics and animal breeds which are a reflection of genetically specific quality in animals of certain species. Students will be able to evaluate particular animal breed which is important for proper use of animals in different production systems.
Learning outcomes	After successfully finishing the course, student will be able to:

- explain the morphological, physiological and psychological changes of animals after domestication and selection directed to certain characteristics as well as animal breed characteristics (general and special)
- identify the species, breed, category and / or production type of domestic animals (cattle, horses, pigs, sheep, goats, donkeys, poultry, dogs, cats and the most important breeds of rabbits, laboratory animals and cage pets)
- describe the exterior of certain domestic animals
- evaluate production type or breeding group based on individual phenotypic characteristics
- use the gained knowledge in judging the exterior, condition, constitution, temperament and age as well as measuring and marking of animals
- identify basic administrative books, forms and computer programs used in the registration of domestic animals

GRADING SCHEME

<i>Points</i>	<i>Grade</i>
Up to 59	1 (F)
60-68	2 (E)
69-76	2 (D)
77-84	3 (C)
85-92	4 (B)
93-100	5 (A)

Course leader:



Head of Department:



Note: The course leader is required to submit a Course Syllabus to all teachers and associates pertaining to the Course.

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH LECTURES,
SEMINARS and PRACTICALS**

Type of activity	Minimum number of points	Maximum number of points
Lectures attendance	3	6
Seminar attendance	4	6
Practicals attendance	4	6
Active participation in seminars and practicals	5	10
Continuous knowledge checking (mid-terms)	20	32
Final exam	24	40
TOTAL	60	100

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH LECTURES and
SEMINARS**

Type of activity	Minimum number of points	Maximum number of points
Lecture attendance	3	6
Practicals attendance	8	12
Active participation in practicals	5	10
Continuous knowledge checking (mid-terms)	20	32
Final exam	24	40
TOTAL	60	100

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH SEMINARS and
EXERCISES**

Type of activity	Minimum number of points	Maximum number of points
Seminar / practicals attendance	11	18
Active participation in seminars and practicals	5	10
Continuous knowledge checking (mid-terms)	20	32
Final exam	24	40
TOTAL	60	100