UNIVERSITY OF ZAGREB FACULTY OF VETERINARY MEDICINE

Heinzelova 55 Tel. 01/2390 320 Division: Clinics

Unit: Reproduction and Obstetrics

E-mail of the course leader: jgrizelj@vef.unizg.hr

Register No of the organisational unit:

Zagreb, 10/02/2023



Primljeno: 28.02.2023 Klasifikacijska oznaka Org. jed.

605-03/22-04/35

251-61-32; Urudžbeni broj Prilozi Vrijednost 251-61-22/323-23-86

COURSE SYLLABUS

Course name: Obstetrics and Reproduction 1 Academic year 2022/2023

Course leader: Full Prof. Juraj Grizelj

Deputy course leader: Full Prof. Nikica Prvanović Babić

Teachers: Full Prof. Juraj Grizelj, Full Prof. Martina Lojkić, Full Prof. Nikica Prvanović Babić, Full Prof. Marko Samardžija, Full Prof. Silvijo Vince, Assoc. Prof. Ivan Folnožić, Assoc. Prof. Iva Getz, Assist. Prof. Branimira Špoljarić, postdoctoral assistant Ivan Butković, Jurai Šavorić, DMV

First day of classes: 27/02/2023 Last day of classes: 15/06/2023

Timetable for <u>LECTURES</u> academic year 2022/2023

Date	Methodological unit	Teacher	Location / Time	Literature
7/02/2023 1 st lecture	Hormonal Regulation of Reproductive Cycle	Full Prof. Marko Samardžija	Practical Hall Parasitology 10am-12pm	teacher's choice
28/02/2023 2 nd lecture	Cows' and Heifers' Reproductive Cycle 1	Assist. Prof. Branimira Špoljarić	Practical Hall Parasitology 12pm-2pm	teacher's choice
01/03/2023 3 rd lecture	Cows' and Heifers' Reproductive Cycle 2	Assist. Prof. Branimira Špoljarić	Practical Hall Parasitology 2pm-4pm	teacher's choice
02/03/2023 4 th lecture	Reproductive Cycle of Mares	Full Prof. Juraj Grizelj	Practical Hall Parasitology 2pm-4pm	teacher's choice
03/03/2023 5 th lecture Reproductive Cycle of Sows		Full Prof. Marko Samardžija	Practical Hall Parasitology 8am-10am	teacher's choice
06/03/2023 6 th lecture	Reproductive Cycle of Goats and Sheep	Assist. Prof. Branimira Špoljarić	100m 12nm I toochor's shois	
08/03/2023 7 th lecture	Accor Drof Ivan Folgazió		Practical Hall Parasitology 9am-11am	teacher's choice
10/03/2023 8 th lecture	Oogenesis and follicular development	Full Prof. Martina Lojkić	Practical Hall Parasitology 10am-12pm	teacher's choice
15/03/2023 9 th lecture	Hormonal Regulation of Ovulation	Full Prof. Martina Lojkić	Practical Hall Parasitology 9am-11am	teacher's choice
16/03/2023 10 th lecture	Fertilization and Nidation 1	Full Prof. Martina Lojkić	Practical Hall Parasitology 12pm-2pm	teacher's choice
22/03/2023 11 th lecture	Fertilization and Nidation 2	Full Prof. Nikica Prvanović Babić	Clinical Lecture Room 10am-12pm	teacher's choice
29/03/2023 12 th lecture	Fertilization and Nidation 3	Full Prof. Nikica Prvanović Babić	Practical Hall Parasitology 10am-12pm	teacher's choice

30/03/2023 13 th lecture	Pregnancy Diagnosis 1	Assoc. Prof. Iva Getz	Practical Hall Parasitology 12pm-2pm	teacher's choice
31/03/2023 14 th lecture	Pregnancy Diagnosis 2	Assoc. Prof. Iva Getz	Practical Hall Parasitology 10am-12pm	teacher's choice
03/04/2023 15 th lecture	Pathology of Pregnancy 1	Assoc. Prof. Iva Getz	Practical Hall Parasitology 8am-10am	teacher's choice
04/04/2023 16 th lecture	Pathology of Pregnancy 2	Full Prof. Silvijo Vince	Practical Hall Parasitology 12.30pm-2pm	teacher's choice
05/04/2023 17 th lecture	Pathology of Pregnancy 3	Full Prof. Silvijo Vince	Practical Hall Parasitology 10am-12pm	teacher's choice
11/04/2023 18 th lecture	Physiology of Labour and Delivery 1	Full Prof. Nikica Prvanović Babić	Practical Hall Parasitology 11.45am-1.45pm	teacher's choice
12/04/2023 19 th lecture	Physiology of Labour and Delivery 2	Full Prof. Nikica Prvanović Babić	Practical Hall Parasitology 12pm-2pm	teacher's choice
18/04/2023 20 th lecture	Spermiology 1	Full Prof. Martina Lojkić	Practical Hall Parasitology 10am-12pm	teacher's choice
27/04/2023 21 st lecture	Spermiology 2	Full Prof. Marko Samardžija	Practical Hall Parasitology 10am-12pm	teacher's choice
02/05/2023 22 nd lecture	Artificial Insemination	Full Prof. Juraj Grizelj	Practical Hall Parasitology 10.30am-12pm	teacher's choice
04/05/2023 23 rd lecture	Physiology and Pathology of the Puerperium 1	Assoc. Prof. Ivan Folnožić	Practical Hall Parasitology 10am-12pm	teacher's choice
08/05/2023 24 th lecture	Physiology and Pathology of the Puerperium 2	Assoc. Prof. Ivan Folnožić	Practical Hall Parasitology 10.15am-12pm	teacher's choice
17/05/2023 25 th lecture	Physiology and Pathology of the Puerperium 3	Full Prof. Silvijo Vince	Practical Hall Parasitology 12pm-2pm	teacher's choice

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24/05/2023 26 th lecture	Physiology and Pathology of the Puerperium 4	Full Prof. Silvijo Vince	Practical Hall Parasitology 8am-10am	teacher's choice
26/05/2023 27 th lecture	Physiology and Pathology of the Udder 1	Assoc. Prof. Ivan Folnožić	Practical Hall Parasitology 10am-12pm	teacher's choice
31/05/2023 28 th lecture	Physiology and Pathology of the Udder 2	Assist. Prof. Branimira Špoljarić	Practical Hall Parasitology 10.30am-12pm	teacher's choice
06/06/2023 29 th lecture	Physiology and Pathology of the Udder 3	Full Prof. Juraj Grizelj	Practical Hall Parasitology 12pm-2pm	teacher's choice
12/06/2023 30 th lecture	Selected Topic	Full Prof. Juraj Grizelj	Practical Hall Parasitology 10am-11am	teacher's choice
12/06/2023 31 th lecture	Selected Topic	Full Prof. Nikica Prvanović Babić	Practical Hall Parasitology 11am-12pm	teacher's choice

Timetable for <u>SEMINARS</u> academic year 2022/2023

Date	Methodologica I unit	Teacher	Group	Location / time	Literature
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Timetable for PRACTICALS academic year 2022/2023

Date	Methodological unit	Teacher	Type of practical (Article 31. of Regulation)	Group	Location / time	Literature
06/03/2023 1 st practicals	Introductory Information on the Course; Anatomy of the Female Reproductive System	Full Prof Juraj Grizelj	Clinical practice	1	Obstetrics and Reproduction (OR) Practicals Room 2pm-4.15pm	teacher's choice
07/03/2023 1 ^{sl} practicals	Introductory Information on the Course; Anatomy of the Female Reproductive System	Full Prof Juraj Grizelj	Clinical practice	2	OR Practicals Room 2pm-4.15pm	teacher's choice
08/03/2023 2nd practicals	Clinic Night Shift	Juraj Šavorić, DVM	Clinical practice	1	OR Surgeries 6pm-10pm	teacher's choice
09/03/2023 2nd practicals	Anatomy of the Female Reproductive System, Dissection	Full Prof. Martina Lojkić	Clinical practice	2	OR Practicals Room 2pm-4.15pm	teacher's choice
10/03/2023 3rd practicals	Anatomy of the Female Reproductive System, Dissection	Fułl Prof. Nikica Prvanović Babić	Clinical practice	1	OR Practicals Room 2pm-4.15pm	teacher's choice
13/03/2023 4th practicals	General Gynaecologic History and Examination	Full Prof. Marko Samardžija	Clinical practice	1	OR Practicals Room 11am-1.15pm	teacher's choice
14/03/2023 3rd practicals	General Gynaecologic History and Examination	Full Prof. Silvijo Vince	Clinical practice	2	OR Practicals Room 11am-1.15pm	teacher's choice
15/03/2023 5th practicals	Gynaecologic Examination of Cows	Assoc. Prof. Ivan Folnožić	Clinical practice	1	OR Bovine Stable 2pm-4.15pm	teacher's choice

16/03/2023 4 th practicals	Gynaecologic Examination of Cows	Assoc. Prof. Iva Getz	Clinical practice	2	OR Bovine Stable 2pm-4.15pm	teacher's choice
20/03/2023 5 th practicas	Gynaecologic Examination of Cows	Assist. Prof. Branimira Špoljarić	Clinical practice	1	OR Bovine Stable 8am-10.15am	teacher's choice
21/03/2023 4 th practicals	Gynaecologic Examination of Cows	Full Prof. Martina Lojkić	Clinical practice	2	OR Bovine Stable 8am-10.15am	teacher's choice
23/03/2023 6 th practicals (1 st group) 5 th practicals (2 nd group)	Gynaecologic Examination of Cows	Full Prof Nikica Prvanović Babić Full Prof Marko Samardžija	Clinical practice	1,2	OR Bovine Stable 8am-10.15am	teacher's choice
24/03/2023 7 th practicals (1 st group) 6 th practicals (2 nd group)	Gynaecologic Examination of Mares	Full Prof. Silvijo Vince Assoc. Prof. Ivan Folnožić	Clinical practice	1,2	OR Equine Premises 2pm-4.15pm	teacher's choice
27/03/2023 6 th practicals (2 nd group) 7 th practicals (1 st group)	Gynaecologic Examination of Mares	Juraj Šavorić, DVM PhD Ivan Butković	Clinical practice	1	OR Equine Premises 8am-10.15am OR Equine Premises 10.30am-12.45pm	teacher's choice
30/03/2023 8 th practicals (1 st group) 7 th practicals (2 nd group)	Gynaecologic Examination of Small Ruminants	PhD Ivan Butković Assoc. Prof. Iva Getz	Clinical practice	1, 2	OR Small Ruminants' Stable 2pm-4.15pm	teacher's choice
04/04/2023 7 th practicals (1 st group) 6 th practicals (2 nd group)	Gynaecologic Examination of Mares	Assist. Prof. Branimira Špoljarić Full Prof. Juraj Grizelj	Clinical practice	1,2	OR Equine Premises 8am-10.15am	teacher's choice
12/04/2023 6 th practicals (1 st group) 5 th practicals (2 nd group)	Gynaecologic Examination of Cows	Full Prof. Martina Lojkić Full Prof Nikica Prvanović Babić	Clinical practice	1,2	OR Bovine Stable 8am-10.15am	teacher's choice
14/04/2023 8 th practicals (1 st group)	The application of ultrasound in veterinary	Juraj Šavorić, DVM PhD Ivan Butković	Clinical practice	1,2	OR 8am-10.15am	teacher's choice

7 th practicals (2 nd group)	gynaecology					
17/04/2023 9th practicals (1st group) 8th practicals (2nd group)	Anatomy of the Male Reproductive System	Full Prof. Marko Samardžija Full Prof. Silvijo Vince	Clinical practice	1,2	OR Practicals Room 2pm-4.15pm	teacher's choice
19/04/2023 10 th practicals (1 ^{sl} group) 9 th practicals (2 nd group)	Anatomy of the Male Reproductive System, Dissection	Juraj Šavorić, DVM PhD Ivan Butković	Clinical practice	1,2	OR Practicals Room 2pm-4.15pm	teacher's choice
24/04/2023 11 th practicals	Anatomy of the Male Reproductive System, Revision	Juraj Šavorić, DVM	Clinical practice	1	OR Practicals Room 10am-12.15pm	teacher's choice
25/04/2023 10 th practicals	Anatomy of the Male Reproductive System, Revision	PhD Ivan Butković	Clinical practice	2	OR Practicals Room 8am-10.15am	teacher's choice
27/04/2023 12 th practicals (1 st group) 11 th practicals (2 nd group)	Andrologic Examination and Semen Examination 1	Assoc. Prof. Ivan Folnožić Assoc. Prof. Iva Getz	Clinical practice	1,2	OR Spermiology Practicals Room 2pm-4.15pm	teacher's choice
04/05/2023 13 th practicals (1 st group) 12 th practicals (2 nd group)	Semen Examination 2	Full Prof. Martina Lojkić Assist. Prof. Branimira Špoljarić	Clinical practice	1,2	OR Spermiology Practicals Room 2pm-4.15pm	teacher's choice
08/05/2023 4 th practicals (1 st group) 3 th practicals (2 nd group)	Semen Examination, Revision	Juraj Šavorić, DVM PhD Ivan Butković	Clinical practice	1,2	OR Spermiology Practicals Room 8am-10.15am	teacher's choice
09/05/2023 14 th practicals	Vaginal Smears Examination	Full Prof. Marko Samardžija	Clinical practice	2	OR Practicals Room 2pm-4.15pm	teacher's choice
10/05/2023 5 th practicals	Vaginal Smears Examination	Full Prof. Silvijo Vince	Clinical practice	1	OR Practicals Room 8am-10.15am	teacher's choice
	Clinics Night Shift	Assoc. Prof. Ivan Folnožić	_	2	OR Surgeries 6pm-10pm	

12/05/2023 16 th practicals	Vaginal Smears Examination, Revision	Assist. Prof. Iva Getz Assist. Prof. Branimira Špoljarić	Clinical practice	1,2	OR Practicals Room 8am-10.15am	teacher's choice
15/05/2023 17 th practicals	Artificial Vaginas and Semen Collection	Juraj Šavorić, DVM PhD Ivan Butković	Clinical practice	1,2	OR Practicals Room 11am-13.15pm	teacher's choice
18/05/2023 18 th practicals	Udder Examination	Full Prof Juraj Grizelj Full Prof Nikica Prvanović Babić	Clinical practice	1,2	OR Bovine Stable 11am-13.15pm	teacher's choice
23/05/2023 19 st practicals	Gynaecologic Examination of pets and/or Gynaecologic Surgical Operations	Full Prof Marko Samardžija Full Prof Silvijo Vince	Clinical practice	1,2	OR Surgeries and/or Operating Theatres 11am-13.15pm	teacher's choice
25/05/2023 19 st practicals	Gynaecologic Examination of pets and/or Gynaecologic Surgical Operations	Assoc. Prof. Ivan Folnožić Assist. Prof.Nikica Prvanović Babić	Clinical practice	1,2	OR Surgeries and/or Operating Theatres 8am-10.15am	teacher's choice
31/05/2023 19 st practicals	Gynaecologic Examination of pets and/or Gynaecologic Surgical Operations	Assist. Prof. Branimira Špoljarić, Full Prof Juraj Grizelj	Clinical practice	1,2	OR Surgeries and/or Operating Theatres 8am-10.15am	teacher's choice
01/06/2023 18 th practicals	Udder Examination	Full Prof Nikica Prvanović Babić PhD Ivan Butković	Clinical practice	1,2	OR Bovine Stable 8am-10.15am	teacher's choice
02/06/2023 19 st practicals	Gynaecologic Examination of pets and/or Gynaecologic Surgical Operations	Juraj Šavorić, DVM	Clinical practice	1	OR Surgeries and/or Operating Theatres 8am-10.15am	teacher's choice
05/06/2023 19 st practicals	Gynaecologic Examination of pets and/or Gynaecologic Surgical Operations	Full Prof Martina Lojkić	Clinical practice	2	OR Surgeries and/or Operating Theatres 12pm-2.15pm	teacher's choice
06/06/2023 6 th practicals	Gynaecologic Examination of Mares	Full Prof Silvijo Vince Assoc. Prof. Ivan Folnožić	Clinical practice	1,2	OR Equine Premises 2pm-4.15pm	teacher's choice

07/06/2023 6 th practicals	Gynaecologic Examination of Mares	Full Prof Juraj Grizelj Assist. Prof. Iva Getz	Clinical practice	1,2	OR Equine Premises 2pm-4.15pm	teacher's choice
12/06/2023 20 th practicals	Gynaecologic Examination of pets and/or Laparoscopic Gynaecological Surgery	Assist. Prof. Branimira Špoljarić Full Prof. Martina Lojkić	Clinical practice	1,2	OR Surgeries and/or Operating Theatres 2pm-2.15pm	teacher's choice
13/06/2023 20 th practicals	Gynaecologic Examination of pets and/or Laparoscopic Gynaecological Surgery	Juraj Šavorić, DVM PhD Ivan Butković	Clinical practice	1,2	OR Surgeries and/or Operating Theatres 10am-1pm	teacher's choice
14/06/2023 19 st practicals	Gynaecologic Examination of pets and/or Gynaecologic Surgical Operations	Juraj Šavorić, DVM PhD Ivan Butković	Clinical practice	1,2	OR Surgeries and/or Operating Theatres 8am-10.15am	teacher's choice
15/06/2023 19 th practicals	Gynaecologic Examination of pets and/or Gynaecologic Surgical Operations	Juraj Šavorić, DVM PhD Ivan Butković	Clinical practice	1,2	OR Surgeries and/or Operating Theatres 11am-1.15pm	teacher's choice

STUDENT OBLIGATIONS

Lecture attendance	By attending lectures the student gains 3-6 points (60 lecture hours; each lecture hour equals a 0,1 coefficient). Students must attend at least 30 lecture hours.			
Seminars attendance	H			
Practicals attendance	By attending practicals the student gains 8-12 points (105 exercise hours; each practicals hour equals a 0,11 coefficient). Students must attend at least 80 practicals hours.			
Active participation in seminars and practicals	A minimum of 5 (max. 10) points must be gained during practicals, which consists of the completion of a minimum of 3 (max positively evaluated assignments imposed by teacher and based on active participation during practicals (signed off by teacher), 1 (max 2) field assignment and 1 (max 2) positive answer on short oral exams.			
Final exam	Students' attendance of lectures and practicals as well as their active participation will regularly be monitored over the course of the entire semester. There will also be continuous knowledge-checking (progress test). The total points earned will be presented to the examiner at the final exam.			
	In order to take the final exam, a student must earn a minimum of 16 points by attending lectures and practicals and through activities during practicals, and at least 20 points from continuous knowledge assessment.			
	The final exam consists of 10 oral questions and in total brings up to 40 points (minimal 24 points is approval).			
	The total sum of points achieved from the above-mentioned elements is expressed in the final mark $(1-5)$, 1 being a fail.			
Examination requirements	Student requirements are defined in the Regulations on the Integrated Undergraduate and Graduate Study of Veterinary Medicine (2022). Given the above, the student must acquire a minimum number of points from all assessment elements in order to take the final exam. Article 41 : a student can justifiably be absent from up to 50 % of the lectures; 20% of the seminars and 20 % of the exercises.			

GRADING AND EVALUATING STUDENT WORK

Continuous knowledge-checking	There will be a written progress test performed during the semester consisting of 10 questions.
(mid-terms)	The progress test brings 32 points (each question equals 3.1 points), 20 points being the minimum required to pass. Taking the progress test during the main term is compulsory (missing the main term needs to be justified).
	3 additional progress test terms will be announced for the progress test in agreement with students. All four of the terms will be held in June and July (first term: 20 th of June 2023).
	Progress test is required in order to register for the final exam. However, the progress test is not a requirement for a signature in the grade book. If the student fails the progress test 4 times, he/she needs to take the whole course over again. In case he/she doesn't take the progress test or fails it 4 times, an additional term is possible if the student representative writes an official request to the respective Vice Dean. The Course leader makes the final decision.
Final exams (dates)	03/07/2023, 19/07/2023, 05/09/2023, 21/09/2023
Form of final exam	ORAL EXAM

LITERATURE

Obligatory literature	Lecture handouts by Merlin
	Selected chapters from: NOAKES, D. E., T. J. PARKINSON, G. C. W. ENGLAND (2018): Arthur's Veterinary Reproduction and Obstetrics, 10th Ed. (Noakes, D. E., T. J. Parkinson, G. C. W. England, Eds.), W. B. Saunders Company Ltd. GORDON, I. R. (1997): Controlled Reproduction in Pigs. (Gordon, E., Ed.), CAB International. SENGER, P. L. (2003): Pathways to Pregnancy and Parturition, 2nd Ed., Cadmus Professional communications, Science Press Division, USA BLANCHARD, T. L. ET AL., (2003): Manual of Equine Reproduction. 2nd Ed., Mosby. BSAVA Manual of Canine and Feline Reproduction and Neonatology, 2nd Ed. 2019., (G. England, A. von Heimendahl, Eds.), British Small Animal Veterinary Association. Gloucester, UK JOHNSTON, S. D., M. V. ROOT KUSTRITZ, P. S. OLSON (2003): Canine and Feline Theriogenology, 2nd Ed., Saunders Company Ltd., USA JACKSON, P. G. G. (2004): Handbook of Veterinary Obstetrics, 2nd Ed. (Rodenhuis, J., Z. Youd, Eds.), Saunders W. B. Company. BALL, P. J. H., A. R. PETERS (2004): Reproduction in Cattle, 3nd Ed. (Ball, P. J. H., A. R. Peters, Eds.), Blackwell Publishing Ltd, Oxford
Optional literature	Selected chapters from: BSAVA Manual of Canine and Feline Abdominal Surgery, 2 nd Ed. (2015), (Williams, J. M., J. D. Niles, Eds.), BSAVA LANDSBERG, G., W. L. HUNTHAUSEN, L. J. ACKERMAN (2012): Behavioural Problems of the Dog and Cat, 3 rd Ed., Saunders
	Ltd. MCKINNON, A. O. (2011): Equine Reproduction, 2 nd Ed. (McKinnon, A. O., E. L. Squires, W. E. Vaala, D. D. Varner, Eds.), Lea and Febiger, USA SAMPER, J. C. (2009): Equine Breeding Management and Artificial Insemination, 2 nd Ed., (Gower, J., S. Stringer), Saunders, USA The Merck Veterinary Manual (2010), 10th Ed., (Kahn, C. M., S. Line, Eds.), Merck & Co., Inc., USA HAFEZ, E. S. E. (2013): Reproduction in Farm Animals. 7th Ed. (Hafez, E. S. E., B. Hafez, Eds.), Willey-Blackwell, USA. PUGH, D. G. (2002): Sheep and Goat Medicine. 1 st Ed. (Pugh, D. G., Ed.), Saunders, USA SMITH, M. C., D. M. SHERMAN (2009): Goat Medicine. 2 nd Ed. Wiley-Blackwell, USA SOLAIMAN, S. G. (2010): Goat Science and Production, (Solaiman, S. G., Ed.), Wiley-Blackwell BOYD, J. S., C. PATERSON (2000): Colour Atlas of Clinical Anatomy of the Dog and Cat. 2 nd Ed., Mosby Ltd. HARKNESS, J. E., P. V. TURNER, S. VANDEWOUDE, C. L. WHELER (2010): The Biology and Medicine of Rabbits and Rodents, 5 th Ed., Wiley-Blackwell BAKER, R., J. H. LUMSDEN (2000): Color Atlas of Cytology of the Dog and Cat, Mosby

OBJECTIVES AND LEARNING OUTCOMES

Course objectives	Within the course framework, the students will get acquainted in detail with the hormonal regulation of the reproductive cycle of domestic animals, including phases, a clinical view of reproductive cycles and the artificial insemination of domestic animals. Students will also be thoroughly familiarized with oogenesis, the mechanism of ovulation, fertilization, nidation and placentation, as well as pregnancy, pregnancy diagnostics and pathology of pregnancy and the phases of parturition, physiology and pathology of puerperium, spermiology, and udders.
Learning outcomes	To be able to independently take the gynaecologic history and perform gynaecologic / andrological examinations (including udders) of female and male animals, including rectal palpation and ultrasound checking, in order to define the animal's reproductive status.
	To be able to timely perform artificial insemination, understand the principles of semen collection and insemination dose, and perform basic semen tests.
	To be able to properly assist labour and apply obstetrical methods in case of need.
	To check post-parturient animal and determine if the puerperium of the animal is running physiologically; and if not, to be able to assess the proper therapeutic approach.
	To assess general conditions at the farm level which influence optimal animal reproduction and milk production, overall animal production at the farm level, animal welfare and safety of animal products;
	to explain the neurohormonal regulation of sexual cycles of domestic animals;
	to independently perform andrologic and gynaecologic examinations of domestic animals;
	to clearly distinguish phases and clinical specificity of the sexual cycle of domestic animals;
	to apply proper methods of pregnancy diagnostics;
	to be acquainted with the physiology and pathology of puerperium;
	to be acquainted with the physiology and pathology of the mammary gland;
	to identify and explain the stages of parturition.

GRADING SCHEME

Points	Grade
Up to 59	1 (F)
60-76	2 (D,E)
77-84	3 (C)
85-92	4 (B)
93-100	5 (A)

Course leader

Head of organizational unit:

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