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UNIVERSITY OF ZAGREB
 FACULTY OF VETERINARY MEDICINE
 Heinzelova 55
 Tel. +385 1 23 90 320
 Division: Clinical
 Unit: Obstetrics and Reproduction
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 Register no. of the organisational unit:

Zagreb, 5/9/2025

COURSE SYLLABUS

Course name: Obstetrics and Reproduction 2

Academic year 2025/2026

Course leader: Full Prof. Juraj Grizelj

Deputy course leader: Assoc. Prof. Branimira Špoljarić

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, Assoc. Prof. Branimira Špoljarić, postdoctoral assistant Ivan Butković, Juraj Šavorić, PhD, DMV, Ivan Tomić, DMV

First day of classes: 29/9/2025

Last day of classes: 22/1/2026

Activities - Obstetrics and Reproduction II (1/4)

Start Date	Start T	End Ti	Subject	Group	Note	Length	Instructor	Room
29/09/2025	10:00	11:30	p01 Pathological labour and delivery 1	9E-1, 9E-2, 9E-3		1:30	Folnožić I.	P_kemija
30/09/2025	8:15	9:45	p02 Pathological labour and delivery 2	9E-1, 9E-2, 9E-3		1:30	Vince S.	P_fiziologija
01/10/2025	10:00	11:30	p03 Infertility in the mare 1	9E-1, 9E-2, 9E-3		1:30	Prvanović Babić N.	P_farmakologija
02/10/2025	11:40	14:10	v01 Dystocia: the approach to an obstetric case	9E-3		2:30	Nastavnici na predmetu	V_porodništvo
03/10/2025	11:15	13:45	v01 Dystocia: the approach to an obstetric case	9E-1		2:30	Nastavnici na predmetu	V_porodništvo
06/10/2025	8:15	9:45	p04 Infertility in the mare 2	9E-1, 9E-2, 9E-3		1:30	Getz I.	P_fizika
08/10/2025	8:15	10:45	v02 Dystocia: aetiology, causes and treatment	9E-3		2:30	Nastavnici na predmetu	V_porodništvo
09/10/2025	14:00	15:30	p05 Infertility in cattle 1	9E-1, 9E-2, 9E-3		1:30	Grizelj J.	P_kemija
13/10/2025	11:15	13:30	v03 Fetotomy and caesarean section	9E-2b		2:15	Nastavnici na predmetu	V_porodništvo
14/10/2025	13:15	15:45	v04 Approach to Infertility - case study 1	9E-3		2:30	Nastavnici na predmetu	V_porodništvo
15/10/2025	11:45	14:15	v04 Approach to Infertility - case study 1	9E-2		2:30	Nastavnici na predmetu	V_porodništvo
17/10/2025	8:15	10:30	v04 Approach to Infertility - case study 2	9E-2		2:15	Nastavnici na predmetu	V_porodništvo
20/10/2025	10:15	11:45	p06 Infertility in cattle 2	9E-1, 9E-2, 9E-3		1:30	Folnožić I.	P_klinike
21/10/2025	9:15	10:45	p07 Infertility in cattle 3	9E-1, 9E-2, 9E-3		1:30	Vince S.	P_klinike
22/10/2025	11:30	14:30	v06 Gynaecologic surgical operations 1	9E-2		3:00	Nastavnici na predmetu	V_porodništvo

Activities - Obstetrics and Reproduction II (2/4)

Start Date	Start T	End Ti	Subject	Group	Note	Length	Instructor	Room
24/10/2025	13:15	16:15	v06 Gynaecologic surgical operations 1	9E-1		3:00	Nastavnici na predmetu	V_porodništvo
30/10/2025	12:45	15:45	v10 Caslic's suture-case study	9E-1		3:00	Nastavnici na predmetu	V_porodništvo
31/10/2025	8:30	11:30	v10 Caslic's suture-case study	9E-2		3:00	Nastavnici na predmetu	V_porodništvo
04/11/2025	8:30	11:30	v10 Caslic's suture-case study	9E-3		3:00	Nastavnici na predmetu	V_porodništvo
05/11/2025	14:15	15:45	p08 Infertility in small ruminants	9E-1, 9E-2, 9E-3		1:30	Grizelj J.	P_klinike
11/11/2025	8:15	11:15	v07 Parturition related disorders	9E-3		3:00	Nastavnici na predmetu	V_porodništvo
11/11/2025	11:30	14:30	v07 Parturition related disorders	9E-1		3:00	Nastavnici na predmetu	V_porodništvo
14/11/2025	11:45	14:45	v07 Parturition related disorders	9E-2		3:00	Nastavnici na predmetu	V_porodništvo
21/11/2025	11:30	14:30	v08 Infertility in male animals	9E-2		3:00	Nastavnici na predmetu	V_porodništvo
24/11/2025	11:45	14:30	v08 Infertility in male animals	9E-3		2:45	Nastavnici na predmetu	V_porodništvo
25/11/2025	10:00	12:45	v08 Infertility in male animals	9E-1		2:45	Nastavnici na predmetu	V_porodništvo
02/12/2025	13:15	16:15	v09 Neonatology and emergency in neonatology	9E-2		3:00	Nastavnici na predmetu	V_porodništvo
04/12/2025	11:00	12:30	p09 Infertility in swine	9E-1, 9E-2, 9E-3		1:30	Grizelj J.	P_klinike

Activities - Obstetrics and Reproduction II (3/4)

Start Date	Start T	End Ti	Subject	Group	Note	Length	Instructor	Room
08/12/2025	8:30	11:30	v09 Neonatology and emergency in neonatology	9E-1		3:00	Nastavnici na predmetu	V_porodništvo
09/12/2025	13:45	15:15	p10 Infertility in cats and dogs	9E-1, 9E-2, 9E-3		1:30	Folnožić I.	P_klinike
12/12/2025	8:30	11:15	v11 The treatment of infertility in cattle	9E-3		2:45	Nastavnici na predmetu	V_porodništvo
12/12/2025	12:00	15:00	v11 The treatment of infertility in cattle	9E-1		3:00	Nastavnici na predmetu	V_porodništvo
18/12/2025	8:15	11:00	v12 gynaecologic surgical operations 2	9E-3		2:45	Nastavnici na predmetu	V_porodništvo
19/12/2025	8:15	10:30	v12 gynaecologic surgical operations 3	9E-3		2:15	Nastavnici na predmetu	V_porodništvo
19/12/2025	10:45	13:15	v12 gynaecologic surgical operations 3	9E-1		2:30	Nastavnici na predmetu	V_porodništvo
19/12/2025	13:30	15:45	v12 gynaecologic surgical operations 3	9E-2		2:15	Nastavnici na predmetu	V_porodništvo
23/12/2025	13:00	14:30	p11 Mammary gland tumours 1	9E-1, 9E-2, 9E-3		1:30	Špoljarić B.	P_klinike
12/01/2026	8:15	9:45	p12 Mammary gland tumours 2	9E-1, 9E-2, 9E-3		1:30	Špoljarić B.	P_klinike
13/01/2026	8:15	9:00	p13 Canine pregnancy termination	9E-1, 9E-2, 9E-3		0:45	Špoljarić B.	P_fiziologija
13/01/2026	9:00	9:45	p14 Neonatal disorders 1	9E-1, 9E-2, 9E-3		0:45	Prvanović Babić N.	P_fiziologija
14/01/2026	9:00	11:00	v17 the treatment of infertility in mare	9E-1		2:00	Nastavnici na predmetu	V_porodništvo
14/01/2026	11:15	13:15	v17 the treatment of infertility in mare	9E-2		2:00	Nastavnici na predmetu	V_porodništvo
15/01/2026	9:00	10:30	p15 Neonatal disorders 2	9E-1, 9E-2, 9E-3		1:30	Prvanović Babić N.	P_klinike

Activities - Obstetrics and Reproduction II (4/4)

Start Date	Start T	End Ti	Subject	Group	Note	Length	Instructor	Room
15/01/2026	10:45	13:00	v17 the treatment of infertility in mare	9E-3		2:15	Nastavnici na predmetu	V_porodništvo
16/01/2026	8:15	9:45	p16 Assisted reproduction	9E-1, 9E-2, 9E-3		1:30	Lojkić M.	P_klinike
16/01/2026	10:00	15:15	v18 Gynaecologic surgical operations 5; field course bjelovar	9E-1, 9E-2, 9E-3		5:15	Nastavnici na predmetu	V_porodništvo
19/01/2026	8:15	10:30	v19 Clinical approach to infertility 1	9E-2		2:15	Nastavnici na predmetu	V_porodništvo
19/01/2026	11:30	13:45	v19 Clinical approach to infertility 1	9E-1		2:15	Nastavnici na predmetu	V_porodništvo
20/01/2026	11:30	13:45	v19 Clinical approach to infertility 1	9E-3		2:15	Nastavnici na predmetu	V_porodništvo
22/01/2026	9:00	10:30	v20 Clinical approach to infertility 2	9E-1		1:30	Nastavnici na predmetu	V_porodništvo
			v20 Clinical approach to infertility 2	9E-1		1:30	Nastavnici na predmetu	V_porodništvo
Total: 51						114:45		

STUDENT OBLIGATIONS

Lecture attendance	By attending lectures the student gains 3-6 points (30 lecture hours, each lecture hour equals 0.2 coefficient). Students must attend at least 15 lecture hours
Seminars attendance	-
Practicals attendance	By attending practicals the student gains 8-12 points (45 hours of practicals, each practicals hour equals 0.27 coefficient). Students must attend at least 32 hours of practicals.
Active participation in seminars and Practicalas	A minimum of 5 (max. 10) points must be gained during practicals. A student can obtain a maximum of 10 points and a minimum of 5 points from the activity. Students collect points by actively participating in the exercises, and can collect a maximum of 100 points, which are multiplied by a coefficient of 0.1, resulting in a maximum final score of 10 points, by completing the following tasks: 1. Practical work in the skills' lab is evaluated - obstetrical procedures for correcting irregular positions of the fetus, fetotomy and caesarean section. The student can earn a maximum of 40 points (a maximum of 8 points for correction of incorrect positions of the head, legs, situs and positions, placing incisions for fetotomy, suturing in caesarean section). 2. The properly assessed anesthesia protocols are evaluated, whereby the student can collect a maximum of 10 points. 3. Active participation in working with patients is evaluated, whereby the student can collect a maximum of 20 points (taking a history, the patient approach, setting differential diagnoses, treatment options). 4. The approach and treatment of the neonatological patient is evaluated, whereby the student can collect a maximum of 10 points. 5. Treatment of cases of infertility in domestic animals is assessed, whereby the student can receive a maximum of 20 points (treatment of cases of pyometra, neoplasia of the mammary gland, abortion, vulvoplasty, and caesarean section in dogs and cats, infertility of mares, cows, pigs and small ruminants). During the course, students are required to hand in forms about work in the skills' lab, and reports on patients admitted (instructions available on the Clinic's website and on the Merlin course system). Each completed form is assessed, scored and signed. The final sum of points is multiplied by a coefficient of 0.1.

	The earned points are rounded to the nearest whole number which represents the final student's score from the activity. Students must collect a minimum of 5 final points (50 points x coefficient 0.1), and a maximum of 10 final points from the activity. Students' activity during the exercises will be continuously monitored.
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. 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 and 30% of the practicals.

GRADING AND EVALUATING STUDENT WORK

Continuous knowledge-checking (mid-terms)	There will be a written progress test performed during the semester consisting of 10 questions. The progress test brings 32 points (each question equals 3.2 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
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	four of the terms will be held in January and February (first term will take place on 28/1/2026) 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)	10/2/2026, 20/2/2026
Form of final exam	Oral exam

LITERATURE

Obligatory literature	Lecture handouts by LMS Selected chapters from: Noakes, D. E., T. J. Parkinson and G. C. W. England (2009): Veterinary Reproduction & Obstetrics, 9th edition, W. B. Saunders Company Ltd Gordon, I. (1997): Controlled Reproduction in Pigs. CAB International. Blanchard, T. L. et al., (2003): Manual of Equine Reproduction. Mosby. Simpson, G. (2008): BSAVA Manual of Small Animal Reproduction and Neonatology. British Small Animal Association. Gloucester Johnston, S. D., M. V. Root Kustritz, P. S. Olson (2003): Canine and Feline Theriogenology. W. B. Saunders Company Ltd. Jackson, P. G. G. (2004): Handbook of Veterinary Obstetrics. W. B. Saunders Company Ltd.
Optional literature	Selected chapters from: BSAVA Manual of Canine and Feline Abdominal Surgery; Williams and Niles (eds.), BSAVA. 2005 Gary Landsberg, Wayne L. Hunthausen, Lowell J. Ackerman (2003): 5. Handbook of Behavioural Problems of the Dog and Cat, W. B. Saunders Company. McKinnon A. O. (1993): Equine Reproduction, Lea and Febiger. Samper J. C. (2000): Equine Breeding Management and Artificial Insemination. W. B. Saunders Company. The Merck Veterinary Manual 10th edition (2010): Merck & CO. Hafez (1993): Reproduction in Farm Animals. Lea and Febiger. Pugh (2002): Sheep and Goat Medicine. W. B. Saunders Company. Smith and Sherman (2009): Goat Medicine. Wiley Blackwell. Solaiman (2010): Goat Science and Production. Wiley Blackwell. Paterson, B. (2001): Colour Atlas of Clinical Anatomy of the Dog and Cat, Mosby. Baker, L. (2000): Colour Atlas of Cytology of the Dog and Cat, Mosby

OBJECTIVES AND LEARNING OUTCOMES

Course objectives	The aim of the course "Obstetrics and reproduction 2" enables future doctors of veterinary medicine to acquire competences with which they will be able to diagnose pathological conditions on the ovaries and their treatment, pathological conditions in pregnancy as well as those that arise during parturition, and to adequately provide assistance to the parturient animal and the fetus and this way to preserve the life of the fetus and the parturient animal.
Learning outcomes	

Tablica 1. Ishodi učenja razvrstani prema trima područjima
(kognitivno, afektivno i psihomotoričko)

Naziv kolegija: OBSTETRICS AND REPRODUCTION II

Ishodi učenja razvrstani prema trima područjima učenja

Kognitivno područje (znanje, razumijevanje, analiza, sinteza):

2. TO RELATE THE IMPACT OF FEEDING AND KEEPING ANIMALS ON THEIR REPRODUCTION

The outcome falls into the cognitive domain because it includes the analysis of factors affecting animal nutrition and housing, and the assessment of their impact on reproduction.

5. TO DISTINGUISH CONGENITAL AND ACQUIRED ABNORMALITIES OF THE REPRODUCTIVE ORGANS THAT COULD CAUSE INFERTILITY

This is primarily a cognitive outcome because it includes distinguishing the normal structure and function of the reproductive system from its anomalies, and their further analysis into acquired and hereditary anomalies, for the purpose of understanding and assessing their impact on infertility in domestic animals.

Afektivno područje (stavovi, vrijednosti, emocionalni odnos prema učenju):

Psihomotoričko područje (vještine, fizičke aktivnosti, manipulacija alatima):

1. TO EXPLAIN THE CAUSES, CLINICAL PICTURE, DIAGNOSTIC METHODS AND THERAPY FOR IRREGULAR OVARIAN FUNCTION IN DOMESTIC ANIMALS

This outcome falls primarily into the psychomotor domain as it includes mastering the skills needed to take an accurate and relevant history, perform a complete clinical examination; use basic imaging equipment (ultrasound) and effectively conduct examinations; develop appropriate treatment plans and implement treatment in the best interest of the animal.

3. TO EXPLAIN THE CAUSES, CLINICAL PICTURE, DIAGNOSTIC METHODS AND THERAPY IN INFLAMMATORY CONDITIONS OF UTERUS

This outcome falls primarily into the psychomotor domain as it includes mastering the skills needed to take an accurate and relevant history, perform a complete clinical examination; use basic imaging equipment (ultrasound) and effectively conduct examinations; develop appropriate treatment plans and implement treatment in the best interest of the animal, and attend to emergencies.

Tablica 1. Ishodi učenja razvrstani prema trima područjima
(kognitivno, afektivno i psihomotoričko)

4. TO EXPLAIN THE PATOLOGY OF REPRODUCTION, OBSTETRICAL AND/OR GYNAECOLOGICAL SURGERY AS A METHOD OF THERAPEUTIC APPROACH

This outcome falls primarily into the psychomotor domain as it includes mastering the skills required to perform a complete clinical examination; safely administer sedation and regional anesthesia, assess and manage pain, perform aseptic procedures; develop appropriate treatment plans and administer treatment in the best interest of the animal, and attend to emergencies. It also includes the use of instruments and procedures required for obstetric and gynecological surgeries.

6. TO INDEPENDENTLY CHOOSE A METHOD OF ASSISTING THE PARTURIENT ANIMAL AND FETUS

This outcome falls primarily into the psychomotor domain as it includes mastering the skills required to take an accurate and relevant history, perform a complete clinical examination; safely administer sedation and regional anesthesia; develop appropriate treatment plans and administer treatment in the best interest of the animal, and attend to emergencies. In addition, it includes mastering proper animal restraint techniques and procedures specific to the treatment of newborn animals.

Zaključak:

The cognitive domain encompasses a smaller part of the outcomes, as they continue the learning outcomes that the student acquires in the course "Obstetrics and Reproduction I", especially in the part of analysis and critical evaluation of information about the physiology of the sexual cycle and parturition of domestic animals. Also, they include the acquisition of further theoretical knowledge and the ability to analyze and draw conclusions.

The affective domain: Although no learning outcome is exclusively related to the affective domain, it is interwoven and an indispensable part of several learning outcomes. During their acquisition, the student will use various tools and techniques of the literature search to find relevant information related to the specific reproductive pathology he is facing. He will also work as a member of a multidisciplinary team, which will help him to critically evaluate the information received and assess his own strengths and weaknesses, and be able to ask for help. This is especially important in outcomes that include obstetric procedures, gynecological surgeries and assisting the mother and fetus during parturition process.

The psychomotor domain includes the most outcomes because it requires performing practical clinical procedures (taking a history, performing a clinical examination) and their adaptation to the problem situation (choosing a diagnostic method, method and treatment procedure).

Ovaj model razvrstavanja temelji se na **Bloomovoj taksonomiji** i jasno pokazuje kako različiti ishodi učenja razvijaju različite aspekte znanja i vještina.

Tablica 2. Povezanost ishoda učenja, sadržaja kolegija i načini provjere za kolegij

2. Povezanost ishoda učenja, sadržaja kolegija i načini provjere za kolegij: OBSTETRICS AND REPRODUCTION 2

Ishodi učenja	Sadržaj kolegija (metodske jedinice)	Metode praćenja ostvarenosti ishoda učenja
1. To explain the causes, clinical picture, diagnostic methods and therapeutic approach for irregular ovarian function in domestic animals	Infertility in the mare 1 and 2; Infertility in cattle 1, 2 and 3; Infertility in swine; Infertility in small ruminants; Infertility in cats and dogs; Canine pregnancy termination; pseudopregnancy; FAH; Assisted reproduction; Clinical approach to infertility; Approach to infertility - case study	Oral exam, active participation in teaching activities recorded via skills lab reports, SOAP forms
2 to relate the impact of animals' feeding and husbandry conditions on their reproduction	Infertility in the mare 1 and 2; Infertility in cattle 1, 2 and 3; Infertility in swine; Infertility in small ruminants; Infertility in cats and dogs; Clinical approach to infertility; Approach to infertility - case study	Oral exam
3. To explain the causes, clinical picture, diagnostic methods and therapeutic approach in inflammatory conditions of uterus	Infertility in the mare 1 and 2; Infertility in cattle 1, 2 and 3; Infertility in swine; Infertility in small ruminants; Infertility in cats and dogs; Clinical approach to infertility; Approach to infertility - case study	Oral exam, active participation in teaching activities recorded via skills lab reports, SOAP forms
4. To explain the pathology of reproduction, obstetrical and/or gynaecological surgery as a method of therapeutic approach	Pathological labour and delivery 1, 2 and 3; Dystocia: aetiology, causes, clinical approach and treatment; Mammary gland tumours 1 and 2; Repositions 1 – head; Reposition 2 – limbs; Repositions 3 - presentation; Repositions 4 - position; Repositions 5 – instructive video materials; Repositions 6 – bovine dystocia training simulator; C - section and fetotomy	Oral exam, midterm exam, active participation in teaching activities recorded via skills lab reports, SOAP forms
5. To distinguish congenital and acquired abnormalities of the reproductive organs that could cause infertility	Infertility in the mare 1 i 2; Infertility in cattle 1, 2 and 3; Infertility in swine; Infertility in small ruminants; Infertility in cats and dogs; Neonatal disorders 1 and 2	Oral exam
6. To independently choose a method of assisting the parturient dam and foetus	Pathological labour and delivery 1, 2 and 3; Dystocia: aetiology, causes, clinical approach and treatment; Neonatal disorders 1 and 2; Repositions 1 – head; Reposition 2 – legs; Repositions 3 - presentation; Repositions 4 - position; Repositions 5 – instructive video materials; Repositions 6 – bovine dystocia training simulator; approach to neonatal patients	Oral exam, midterm exam, active participation in teaching activities recorded via skills lab reports, SOAP forms

Tablica 3: Povezanost ishoda učenja, nastavne aktivnosti i aktivnosti studenata na kolegiju

3. Povezanost ishoda učenja, nastavne aktivnosti i aktivnosti studenata na kolegiju: Obstetrics and Reproduction 2
Ukupno 75 sati: 30 sati predavanja; 45 sati vježbi; 5,5 ECTS bodova= 165 sati radi

	Ishod učenja	Udio ECTS/ukupan broj sati rada prosječnog studenta	Elementi praćenja	Broj sati izravne nastave	Aktivnosti učenja i poučavanja (AUP) (opis)	Vrednovanje		
						Način praćenja i procjenjivanja (opis) Rad i postignuća studenata izražavaju se postignutim bodovima na temelju kojih se formira završna ocjena (vrednovanje: formativno i sumativno)	Ocjenski bodovi	
							min	max
Povezanost ishoda učenja, nastavne aktivnosti i aktivnosti studenata			Ease of reference A short audio recording of teaching and learning activities in the course	3 min	01 Audio recording available on the course website	-	-	-
			Short audio recording of learning outcomes for the entire course	3 min	02 Audio recording available on the course website	-	-	-
			Introductory lecture	3 min	03 Video recording available on the course website	-	-	-
	1-6	1,1/33	Lecture attendance	30	Critical discussion and conversation, PowerPoint presentations for each lecture, reading texts related to the lectures, and articles and manuals available on the course website	Student attendance of lectures is regularly recorded. Credits earned for lecture attendance are converted into grading credits. Absence from classes is allowed in accordance with Article 64 of the Regulation.	3	6
	1,3,4,6	1,5/45	Practicals attendance	45	Critical discussion and conversation	Student attendance of practicals is regularly recorded. Credits earned for practicals attendance are converted into grading credits. Absence from practicals is allowed in accordance with Article 64 of the Regulation.	8	12
	1,3,4,6	2/60	Activity on practicals	45	Study of scientific and reference materials, Power Point presentations, educational posters	Clinical examination, history taking, diagnostic methods and patient therapy and completion of the SOAP form.	5	10

Tablica 3: Povezanost ishoda učenja, nastavne aktivnosti i aktivnosti studenata na kolegiju

					in the practicals room. educational videos. Students are encouraged to participate in discussions, presentations of ideas and problem solutions, and argue their opinions and attitudes. Texts for reading and visual displays are available on the course website.	Assistance in surgical procedures, properly assessed anesthesia protocol and completion of the anesthesia protocol form. Studying and presentation of a case report in the field of infertility of domestic animals and completion of SOAP form. Performing obstetric procedures and gynecological surgeries on a phantom under teacher's supervision, completion of the Skills Lab Report. Clinical approach and examination of the neonatal patient – a phantom case, completion of the SOAP form. SOAP forms, Skills Lab Reports and the anesthesia management protocol are scored and signed at the end of each practicals. Credits earned during practicals are converted into grading credits.		
	4,6	0,17/5	Continuous knowledge testing (midterm)		Preparing for continuous knowledge testing, reading texts available on the course website. Progress test covering the following areas: Obstetric procedures (correction of abnormal fetal presentation, position and posture, fetotomy).	Knowledge testing and scoring of answers. This testing is a requirement to take the final exam. The credits earned on a progress test are converted into grading credits. If a student does not achieve the minimum credits to pass the progress test (failing), he or she is entitled to additional progress test terms in accordance with Article 74 of the Regulation.	20	32
	1-6	0,73/22	Final exam (oral)		Preparation for the final exam, reading text available on course website and in the library. Self-assessment test available on Merlin.	The course covers the following program parts: theoretic parts of infertility in domestic animals, assisted reproduction, the connection between nutrition, housing and animal fertility, as well as the distinction between hereditary and acquired reproduction defects. The questions covering the theoretical part are open-ended and test knowledge and understanding of facts, as well as the ability to understanding, analyzing and evaluating. Knowledge is assessed by an oral exam.	24	40

Tablica 3: Povezanost ishoda učenja, nastavne aktivnosti i aktivnosti studenata na kolegiju

				The credits earned on the exam are converted into grading credits.		
ukupno	5,5/165		75		60	100
	Bodovi	Ocjena				
	do 59	1				
	60-76	2				
	77-84	3				
	85-92	4				
	93-100	5				

Akadska estitost

Studnti su duini poštovati načela akadske estitosti te se upućuju na dokumente Sveučilišta u Zagrebu *Etički kodeks Sveučilišta u Zagrebu, 2009.*

- http://arhiva.simet.hr/vizik-simet.hr/simet.hr/fakultetu/eti%ci-kodeks-sveucilista-u-zagrebu-at-arhivnauredbe-fak_kodeks.pdf

Vrednovanje kvalitete nastavnog rada

Mole se svi studenti da se odazovu vrednovanju kvalitete nastavnog rada nastavnika i suradnika kako bi se na temelju procjena i sugestija mogla unaprijediti nastava na ovom predmetu. Vrednovanje nastave putem ISVU sustava provodi se aplikacijom „Studomat“ na obrascu definiranom na razini Sveučilišta u Zagrebu ili putem obrazaca (papir/olovka)

Autorskog prava

Svaka upotreba tuđeg teksta ili drugog oblika autorskog djela, kao i upotreba ChatGPT ili bilo kojeg drugog alata čija se funkcionalnost temelji na tehnologiji umjetne inteligencije, bez jasnog i nedvosmislenog navođenja izvora, smatra se povredom tuđeg autorskog prava i načela akadske estitosti te predstavlja tešku povredu studentskih obveza što za sobom povlači stegovnu odgovornost i stegovne mjere sukladno Pravilniku o stegovnoj odgovornosti studenata Veterinarskog fakulteta - https://www.vet.unizg.hr/wp-content/uploads/2018/11/24_20120210-pov-10-pravilnik_o_stegovnoj_odgovornosti_studenata.pdf.

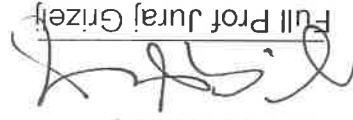
Ostale informacije

*Pravilnik o studiranju na sveučilišnom integriranom prijediplomskom i diplomskom studiju Veterinarska medicina (2024) - <https://www.vet.unizg.hr/wp-content/uploads/2018/10/Pravilnik-o-studiranju-na-sveucilisnom-integriranom-prijediplomskom-i-diplomskom-studiju-veterinarska-medicina-10-tujna-2024.pdf>

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


Full Prof Jura J Grizelj

Head of Department/Clinic


Full Prof Tugomir Karadjole

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
PRACTICALS**

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