

UNIVERSITY OF ZAGREB FACULTY OF VETERINARY MEDICINE

1919. – 2021.

Zagreb, Heinzelova 55

FIELD WORK LOG FIELD SERVICE CLINIC



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VEFUNIZG



Name and Surname:
Student Grade Book No:
Academic Year:

UNIVERSITY OF ZAGREB,
FACULTY OF VETERINARY
MEDICINE

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FACULTY OF VETERINARY MEDICINE UNIVERSITY OF ZAGREB



FIELD WORK LOG
FIELD SERVICE CLINIC

Zagreb, Ulica Vjekoslava Heinzela br. 55.

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Faculty of Veterinary Medicine University of Zagreb - **VEFUNIZG**



The leading educational institution in Croatia
in the field of Veterinary Medicine



General: Field Service Clinic

The Beginnings - the first generation **October 1953**

FOR STUDENTS
IN THE 10TH AND 11TH SEMESTERS
OF THE INTEGRATED UNDERGRADUATE AND GRADUATE UNIVERSITY STUDIES
OF VETERINARY MEDICINE

The curriculum of the study course run as an integrated undergraduate and graduate studies in veterinary medicine dictates that every student enrolled in the 10th and 11th semesters of the course must undertake practical classes in the subject "Field Service Clinic", with a planned schedule of 60 hours in the 10th semester, and 60 hours in the 11th semester, i.e. a total of 120 hours, for which a total of 9.5 ECTS points are awarded.

The work of the Field Service Clinic of the Veterinary Faculty of the University of Zagreb is a specific link in the complex chain of the education of Doctors of Veterinary Medicine.

The Field Service Clinic is a teaching unit with a specific form of field work classes in the areas of internal diseases, infectious diseases, surgery, orthopaedics, ophthalmology and obstetrics, in veterinary practice. For operational and organizational reasons, and to ensure the successful completion of the goals set, these four clinical subjects are combined in the field work.

As a mandatory subject, Field Service Clinic is planned for all students, regardless of the orientation they choose in their 5th year of the course, and classes are held outside the Faculty with veterinary organizations (stations and clinics) in the Republic of Croatia, on the basis of prior agreements.

Regular subject: Field Service Clinic (Extramural Course)

During the Field Service Clinic course, a previously determined group of students goes out for field work with four members of the teaching staff from the clinics of the Veterinary Faculty of the University of Zagreb, who cover four different fields: internal medicine, infectious diseases, surgery and obstetrics. If it is justified, due to the nature and needs of specific field work, the number of students in individual groups may be increased or reduced.

During field work, under the supervision of the teachers, students will cover the following, in this order:

1. first contact with animal owners
2. taking a medical history
3. clinical examination and making a diagnosis.

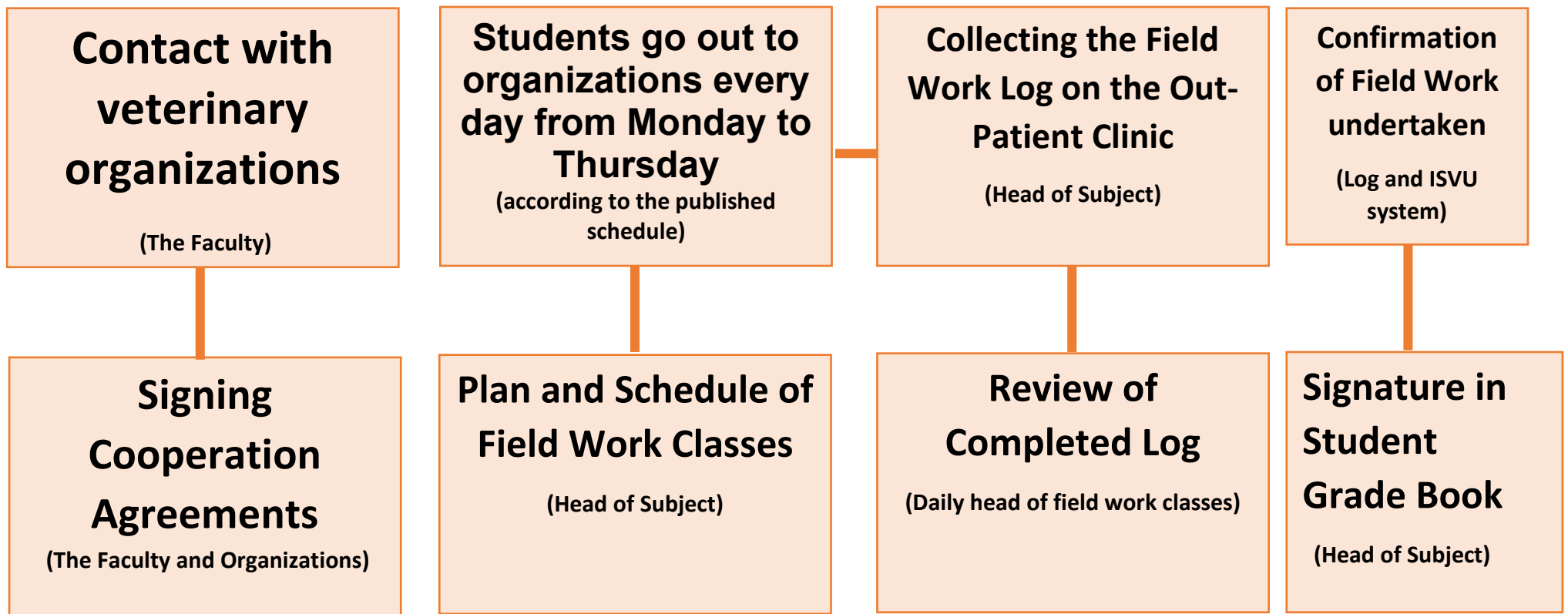
There follows discussion and application of treatment, which students undertake under the watchful eye of their teachers, regardless of whether it is a case of medication or radical surgical therapy.

In this way, students are enabled to master veterinary procedures in field conditions, and gain an insight into patient pathologies which they would rarely have the opportunity to treat at the Faculty's clinics.

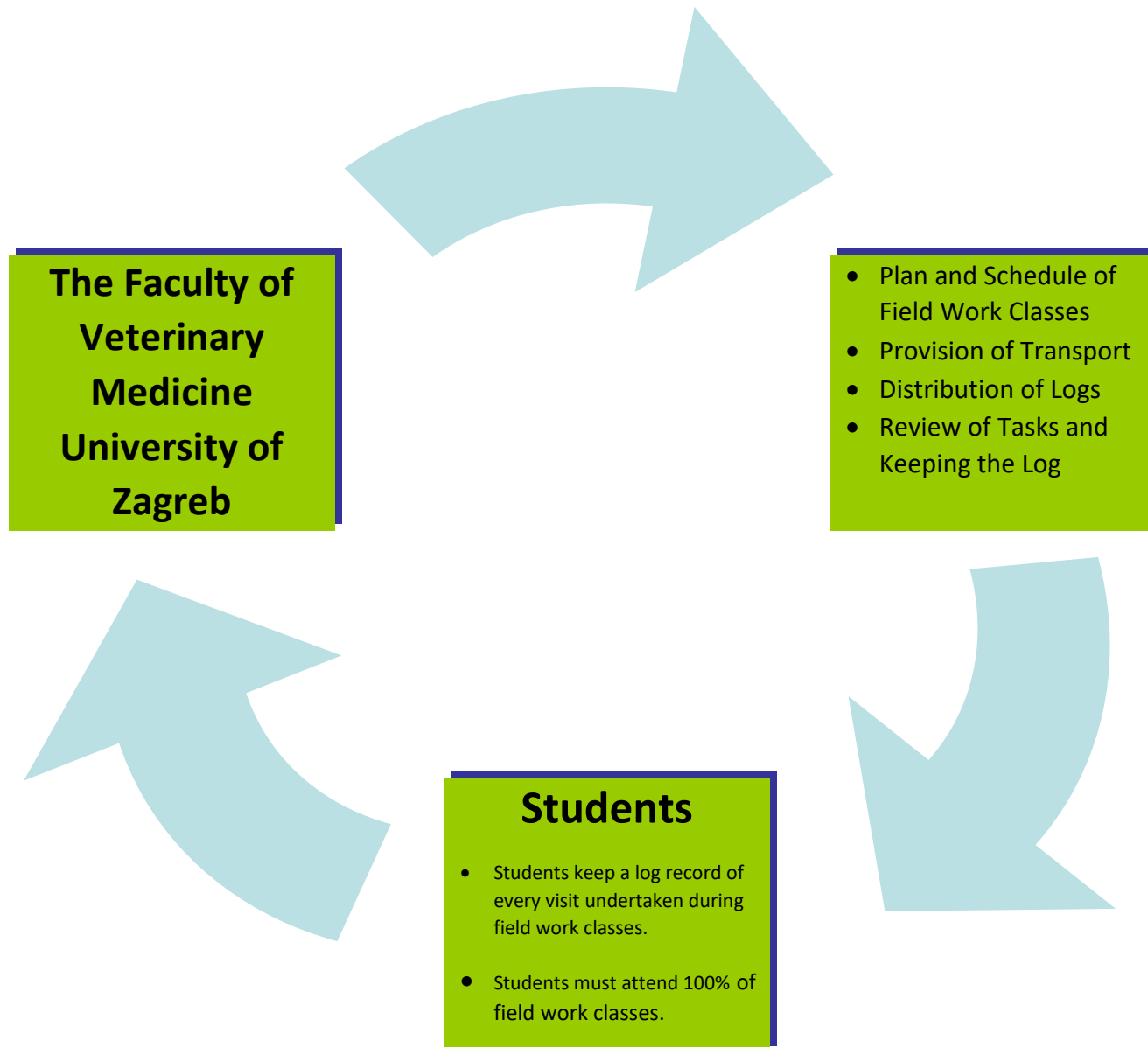
The tasks and work of students during field work outside the Faculty must be undertaken in relation to the bilaterally agreed activities listed in the Minimum Practical Competences. The list is accessible on the Faculty's web site, and in the materials every final year student is given.

The head of the Field Service Clinic course is responsible for drawing up the plans and schedules for field work classes. As the organizer and executor of field work classes, the teacher is responsible for all professional and organizational elements and aspects of field work. The schedule is published for each academic year, and all organizations and students participating in the course in that academic year are informed accordingly. Veterinary practitioners in veterinary organizations prepare and select patients that are of interest for the Field Service Clinic course, and the work of students.

The Procedure Relating to the Regular Field Service Clinic course



The Obligations of the Faculty and of Students



The flowchart of the Field Service Clinic Course

- An agreement is signed with veterinary organizations on field work classes as part of the Field Service Clinic course.
- The student receives from the head of subject a log book of Field Service Clinic field work (hereinafter: the Log).
- Students must keep a record in the Log of every field trip throughout the Field Service Clinic course.
- Students must write in the Log the date, the place and all information related to the cases dealt with, and all tasks and work covered in the field work class (including the minimum practical competences).
- Students are permitted one absence from field work classes in the Field Service Clinic course in the 10th and 11th semesters, which the student must justify in advance in the student office. Students can make up for their absence under the conditions set by the head of subject.
- After the end of field work classes, students must hand their Logs in for examination and verification by the teacher, the daily head of the field work, after returning from the field. If the formal requirements have been met, the head shall sign the Log to verify completion of the task.
- The Log includes all the tasks undertaken during the field work.
- The head of subject verifies by his/her signature in the student's grade book that the student has completed all the planned tasks.
- Upon successful completion of field work within the Field Service Clinic course, the Student Office will write the following note in the ISVU system: "Practice Completed".

THE UNIVERSITY OF ZAGREB FACULTY OF VETERINARY MEDICINE

FIELD SERVICE CLINIC

WORK LOG

Integrated Studies

Zagreb

Note:

Field work as part of the regular Field Service Clinic course may be attended by students who have previously enrolled in the study semester in which the field work is conducted, pursuant to the curriculum of their study course.

Students on the integrated studies course are sent out on field work in order to supplement their theoretical knowledge with practical knowledge and skills, for the more successful realization of their study programme and inclusion in professional work. The content of tasks must stem from the content and character of the clinical subjects of the study. The veterinary organizations are obliged to organize and provide the conditions for the successful conduct of the classes.

Students' obligations

During field work classes students are obliged to adhere to the prescribed occupational health and safety measures, fire protection and other safety measures practised by the veterinary organizations, and regularly to complete all the tasks set and all their other work obligations. Students must guard the property of their employer, treat it with care and conscientiously, and take care that by their behaviour or actions they do not cause harm to the veterinary organization.

Guidelines for Keeping the Field Service Clinic Field Work Log

During field work classes, students must keep a Log in which they describe the daily tasks covered by the field work class.

It is recommended that the tasks undertaken by students in field work should be connected to the field of study and the level of knowledge attained during their training to be doctors of veterinary medicine (see: ***Day-One Competences*** (of the *European Association of Establishments for Veterinary Education*, EAEVE) and ***Minimum Practical Competences***.

Students must keep notes of the content and work activities of each day of their practical work, which means that the Log must contain descriptions of the activities required during all field work classes (each day individually) in one semester, and also in the second semester.

At the end of the field work, the Log shall be handed in for examination and verification, and according to how far all the formal conditions have been met, verification is made of the completion of the mandatory field work by the head of the Field Service Clinic course.

Student Log for the INTEGRATED UNDER-GRADUATE AND GRADUATE STUDY COURSE IN VETERINARY MEDICINE
of field work classes attended in the Field Service Clinic

Date_____

Veterinary organization:_____

Group:_____

Owner:_____

Description of animal_____

Medical
history:_____

Clinical findings:

Diagnosis:

The course of the illness and test results:

Treatment and therapy applied:

Prognosis and instructions to owner:

Student's signature:

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Deadline and Procedure for Handing in the Log

After the end of classes in the Field Service Clinic course, Logs shall be handed in directly to the head of subject.

- Students must hand in their Logs no later than upon completion of the Field Service Clinic course.
- The successful completion of the course is verified by a signature in each student's Grade Book.

The Competences of Doctors of Veterinary Medicine Recommended by the European Association of Establishments for Veterinary Education, EAEVE: Day One Competences

The competences of doctors of veterinary medicine (Day One Competences) are aligned with Directives, Regulations and Proposals relating to veterinary professional qualifications:

1. Directive 2005/36/EC amended by Directive 2013/36/EC on the recognition of professional qualifications;
2. Directive 2010/63/EU on the protection of animals used for scientific purposes;
3. Regulation (EC) No 852/2004 on the hygiene of foodstuffs;
4. Regulation (EC) No 853/2004 on specific hygiene rules for food of animal origin;
5. Regulation (EC) No 854/2004 laying down specific rules for the organisation of official controls in the territory of the R. of Croatia;
6. Regulation (EC) No 1099/2009 on the protection of animals at the time of killing;
7. Proposals for Regulation of rules on animal health and official controls.

Doctors of Veterinary Medicine must have the following knowledge and understanding (Day One Competences):

- Understand the ethical and legal responsibilities of the veterinarian in relation to animals under his/her care, the environment, clients, policies and society.
- Demonstrate knowledge of the organisation, management and legislation related to a veterinary business economics and employment rights.
- Promote, monitor and maintain health and safety in the veterinary setting; demonstrate knowledge of systems of quality assurance; apply principles of risk management to their practice;
- Demonstrate knowledge of systems of quality assurance; apply principles of risk management to their practice.
- Communicate effectively with clients, the public, professional colleagues and responsible authorities, using language appropriate to the audience concerned and in full respect of confidentiality and privacy.
- Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to colleagues and understandable by the public.
- Work effectively as a member of a multi-disciplinary team in the delivery of services.
- Understand the economic and emotional context in which the veterinary surgeon operates.
- Be able to review and evaluate literature and presentations critically.
- Understand and apply principles of clinical governance, and practise evidence-based veterinary medicine.
- Use their professional capabilities to contribute to the advancement of veterinary knowledge and One Health concept, in order to improve animal health and welfare, the quality of animal care and veterinary public health.

- Demonstrate ability to cope with incomplete information, deal with contingencies, and adapt to change.
- Demonstrate that they recognise personal and professional limits, and know how to seek professional advice, assistance and support when necessary.
- Demonstrate an ability of lifelong learning and a commitment to learning and professional development. This includes recording and reflecting on professional experience and taking measures to improve performance and competence.
- Take part in self-audit and peer-group review processes in order to improve performance.
- Obtain an accurate and relevant history of the individual animal or animal group, and its/their environment.
- Handle and restrain animal patients safely and with respect of the animal, and instruct others in helping the veterinarian perform these techniques.
- Perform a complete clinical examination and demonstrate ability in clinical decision-making.
- Develop appropriate treatment plans and administer treatment in the interests of the animals under their care with regard to the resources available.
- Attend in an emergency and perform first aid in common animal species.
- Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry and feeding.
- Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.
- Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.
- Understand the contribution that imaging and other diagnostic techniques can make in achieving a diagnosis. Use basic imaging equipment and carry out an examination effectively as appropriate to the case, in accordance with good health and safety practice and current regulations.
- Recognise signs of possible notifiable, reportable and zoonotic diseases as well as abuse and take appropriate action, including notifying the relevant authorities.
- Access the appropriate sources of data on licensed medicines.
- Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance.
- Report suspected adverse reactions through the appropriate channel.

- Apply principles of bio-security correctly.
- Perform aseptic procedures appropriately-
- Safely perform sedation, and general and regional anaesthesia; implement chemical methods of restraint
- Assess and manage pain.
- Recognise when euthanasia is appropriate and perform it with respect of the animal, using an appropriate method, whilst showing sensitivity to the feelings of owners and others, with due regard to the safety of those present; advise on disposal of the carcase.
- Perform a systematic gross post-mortem examination, record observations, sample tissues, store and transport them.
- Perform ante-mortem inspection of animals destined for the food-chain, including paying attention to welfare aspects; correctly identify conditions affecting the quality and safety of products of animal origin, to exclude those animals whose condition means their products are unsuitable for the food-chain.
- Perform inspection of food and feed including post-mortem inspection of food producing animals and inspection in the field of related food technology.
- Advise on, and implement, preventive and eradication programmes appropriate to the species and in line with accepted animal health, welfare and public health standards

Minimum Practical Competencies

1. General Veterinary Medicine

Most examinations and procedures are performed as part of clinical subjects (Internal Medicine; Infectious Diseases; Obstetrics; Surgery, Orthopaedics and Ophthalmology)

1.1. Autopsies, taking materials for pathological-histological and bacteriological testing;

1.2. Knowing, preserving and storing medications;

1.3. Knowledge of instruments, handling and sterilization.

	Date/ signature of teacher or professional mentor				
1. Internal Medicine					
	1	2	3	4	5
Information about the owner					

Description of the animal					
Medical history					
<i>Status praesens</i> (habitus, vital signs, visible mucous membranes, lymph nodes)					
Clinical skin examination					
Clinical examination of respiratory tract					
Clinical test of heart and circulation					
Tests of blood and haematopoietic organs - Taking blood for testing					
Tests of blood and haematopoietic organs - Interpretation of results					

Clinical examination of digestive organs					
Clinical examination of urinary tract organs					
Clinical examination of the nervous system					
Administration of medication - Peroral, in large and small animals					
Application of medication - Parenteral (iv., im., sc., ip.)					
Other					
<i>2. Infectious, Parasitical and Invasive Diseases</i>					
Taking a medical history when an infectious disease is suspected					

Taking materials for microbiological tests					
Taking blood for serological tests					
Taking materials for molecular tests					
Performing tests for allergies (tuberculinization)					
Preparation of microscopic preparations for diagnostics of infectious diseases					
Taking materials for parasitological tests					
Preparation of preparations for diagnostics of parasitic diseases					
Autopsies of carcasses and taking materials for tests (microbiological, patho-histological, parasitological)					

Vaccination of large and small domesticated animals including tagging					
Vaccination of dogs and cats					
Deworming of domesticated animals					
Combating ectoparasitosis in domesticated animals					
Treating animals suffering from infectious diseases					
Treating animals suffering from parasitical and invasive diseases					
Assessment of bio-security risk					
Recommendations for conducting preventive bio-security measures in order to prevent the spread of infectious and parasitical diseases					

Implementation of measures to prevent the occurrence, spread and to combat parasitic diseases					
Keeping records on trends in infectious and parasitic diseases					
Implementation of measure to prevent the occurrence, spread and to combat infectious diseases					
Implementation of various zoohygiene and zootechnical measures					
Other					
<i>3. Obstetrics and Reproduction of Domesticated Animals</i>					
Gynaecological examination of domesticated animals					
Diagnostics of gravidity in domesticated animals					

Andrological examination and artificial insemination of domesticated animals					
Assisting the birth of domesticated animals and care for young					
Gynaecological surgical procedures					
Monitoring physiological and pathological puerperia - treatment of infertility					
Diagnostics, prevention and treatment of mastitis					
Other					
<i>4. Surgery, Orthopaedics and Ophthalmology</i>					
Use of aseptics and antiseptics (sterilization, disinfection, preparation of hands and the surgical field etc.)					

Use of general and local anaesthetics in domesticated animals					
Assistance during surgical examinations and surgical procedures					
Treatment of wounds - recognising and treatment of individual types of wounds					
Diagnostics of lameness					
Basic surgical interventions in pathologies of hoofs and trotters					
Castration of male domesticated animals					
Surgical treatment of hernias					
Performing diagnostic and therapeutic laparotomy on domesticated animals (apart from equine colic)					

Examination of eyes in daylight					
Correction of teeth in horses					
Other					

Upon completion of studies in Veterinary Medicine, students will have acquired the following competences:

(a) Knowledge and understanding of:

- the sciences on which the activities of veterinary medicine are based;
- the structure and function of the health and reproduction of animals;
- contemporary procedures in the molecular diagnostics of diseases;
- the causes, nature, course, effects, diagnosis, treatment and prevention of diseases in animals, including special knowledge of infectious diseases and zoonoses;
- key aspects and concept of preventive veterinary medicine, including selection and breeding of healthy and resistant animals in production, definition of hygienic housing conditions and keeping animals, recognition of individual forms of behaviour and monitoring the basic indicators of animal welfare;
- creation of plans for management, breeding technology and selection work, and procedure with wild animals after shooting;
- the biology and basic breeding of aquatic organisms and beneficial insects, and procedures to preserve their health;

- the hygiene and technologies involved in production, manufacture and placing on the market of food products of animal origin, intended for human consumption;
- laws, regulations and other administrative provisions relating to veterinary medicine, livestock breeding, hunting, food and the protection of animals and the environment;

(b) Application and analysis of:

- treatment of animals, performing basic surgical procedures and other clinical procedures on animals;
- the ability to link production technologies, the composition and hygiene of food for animals with their health, proposing feeding plans for animals in certain physiological and diseased states and production periods;
- the ability to select the appropriate analytical methods in veterinary laboratory diagnostics
- the ability to apply acquired knowledge on the protection of animals in view of veterinary protection of the environment whilst performing veterinary work;

(c) Research:

- the ability to search literature, data bases and other sources of information;
- the ability to design and conduct experiments in the field of veterinary medicine, the ability to present and interpret results and draw conclusions;
- the ability to use the appropriate laboratory equipment and critically analyse the laboratory results obtained

(d) Practical skills:

- relevant clinical and other practical experience under the appropriate supervision;
- selection and application of the appropriate scientific principles, methods and diagnostic aids in animal production and biotechnology, veterinary public health and pre-clinical and clinical veterinary medicine;
- the ability to combine theoretical knowledge and practical skills in resolving professional problems in the field of veterinary medicine;
- understanding applied techniques and diagnostic procedures in veterinary medicine

(e) Complementary skills

- the ability for effective independent and team work, and presentation of the results of studies both orally and in writing;
- awareness of health, safety and legal issues, and the responsibilities of the veterinary profession, the social and environmental context of veterinary solutions, and respect for and application of professional ethics, responsibility and standards in veterinary medicine;
- veterinary-livestock breeding education;
- the need and readiness to be involved in lifelong learning

Information about the Log of Field Service Clinic Field Work Course

Date of submission:

Student's signature:

Signature of the head of subject at

VEFUNIZG: