

SZKOŁA GŁÓWNA GOSPODARSTWA WIEJSKIEGO  
W WARSZAWIE

Study programme  
**VETERINARY MEDICINE**

Long-cycle Master's degree programme

Warszawa, 2022

1. **Field of studies:** **Veterinary Medicine**
2. **Level of study:** **Long-cycle Master's degree programme**
3. **Profile of study:** **general academic**
4. **Form of study:** **intramural**
5. **Duration of degree programme:** **11 semesters (5.5 YEAR)**
6. **The total number of ECTS required for graduation:** **360**
7. **Professional title:** **lekarz weterynarii**  
**(eq. of: veterinary surgeon**  
**doctor of veterinary medicine)**
8. **ISCED code for study programme** **0841**

**9. Study programme is assigned to following discipline/disciplines:**

LP	Discipline	Leading discipline (YES/NO)	Percentage of learning outcomes related to discipline
1.	WETERYNARIA (VETERINARY MEDICINE)	YES	100%
Total:			100%

## 10. LEARNING OUTCOMES

taking into account the universal first-degree characteristics defined in the Act of 22 December 2015 on the Integrated Qualification System and the second-degree characteristics of the learning outcomes for qualifications at level 7 of the PRK typical for qualifications obtained within the system of higher education and science after obtaining a full qualification at level 4.

§ 1 of the Regulation of the Minister of Science and Higher Education of 17 July 2019 on the standard of education preparing for the profession of veterinary surgeon (Journal of Laws of 2019, item 1364) establishes general and specific learning outcomes.

**Specific learning outcomes are achieved through the following groups of activities:**

**A. Classes in the basic sciences,**

**B. Activities in the field of direction: B1. clinical sciences B2. animal production B3. food hygiene,**

**C. Complementary classes.**

11. General characteristics of level 7 of the PRK and second cycle characteristics of learning outcomes for qualifications at level 7 of the PRK		Learning outcomes	
		Symbol of learning outcomes	Learning outcomes referenced to specific categories and areas
<b>KNOWLEDGE - the graduate KNOWS AND UNDERSTANDS</b>			
P7U_W	<p>selected facts, theories, methods and complex interrelationships between them, also in connection with other fields, in an in-depth manner</p> <p>the various, complex conditions and axiological contexts of the activities carried out</p>		

<p style="text-align: center;">P7S_WG Depth and range Completeness of cognitive perspective and relationships</p>	<p>in-depth - selected facts, objects and phenomena as well as related methods and theories explaining complex interrelationships between them, constituting advanced general knowledge in the area of scientific or artistic disciplines which provides theoretical foundations, ordered and theoretically supported knowledge covering key issues and selected issues from the area of advanced detailed knowledge - appropriate to the programme of study, and in the case of degree programmes with a practical profile - also practical applications of this knowledge in professional activities related to the field of study</p> <p>the main development trends of the scientific or artistic disciplines to which the field of study is assigned - in the case of degree programmes with an overall academic profile</p>	<p>A.W1. A.W2. A.W3. A.W4. A.W5. A.W6. A.W7. A.W8. A.W9. A.W10. A.W11. A.W12. A.W13 A.W14. A.W15.</p>	<p>morphology of the animal organism: cells, tissues, organs and systems;</p> <p>structure, functions, regulatory mechanisms and integration of the systems of the animal organism (respiratory, gastrointestinal, cardiovascular, urinary, nervous, reproductive, endocrine, immune and skin);</p> <p>development of organs and the whole organism in relation to the adult organism;</p> <p>metabolic processes on the molecular, cellular, organ and organism level;</p> <p>mechanisms of homeostasis, water management and acid-base balance;</p> <p>basic chemical reactions in water solutions;</p> <p>laws of hydrodynamics and factors influencing vascular blood flow;</p> <p>physical-chemistry regarding sensory functions;</p> <p>mechanisms of neurohormonal regulation, reproduction, ageing and death;</p> <p>mechanisms underlining animal health, disease and their therapy – from the cellular level, through organs, organism, herd to the whole population of animals;</p> <p>relationship between factors influencing homeostasis of biological processes and physiological, and pathological changes;</p> <p>pathophysiological changes in the organs and systems, biological mechanisms (including immunological) and therapeutical actions facilitating recovery;</p> <p>biology of infectious agents inducing diseases transmitted between animals, animals and humans, including mechanisms of the disease transmission and organism defence systems;</p> <p>genetic mechanisms, genetic disorders and bases of the genetic engineering;</p> <p>basics of microbiological diagnostics;</p>
---	---	---	--

	A.W16.	mechanisms of drug action, their fate in the organism, adverse actions and drug-to-drug interactions of veterinary pharmaceuticals in target animal species;
	A.W17.	the uses of anti-microbial and anti-parasitic chemotherapy;
	A.W18.	mechanisms of antibiotic resistance, including multi-antibiotic resistance by microorganisms and cancer cells;
	A.W19.	procedures and elements required to issue prescription for veterinary pharmaceuticals;
	A.W20.	English and Latin medical nomenclature;
	A.W21.	types of animal poisonings, diagnostic and therapeutic strategies in poisoning cases;
	B.W1.	disorders on the cellular, tissue, organ, system and organism levels occurring in the course of the disease;
	B.W2.	mechanisms of the organ and system pathologies;
	B.W3.	causes and symptoms of pathomorphological changes, procedures for therapy and prevention in the particular diseases;
	B.W4.	diagnostic (including differential diagnostics) and therapeutic procedures;
	B.W5.	rules of clinical evaluation and animal health monitoring;
	B.W6.	how to interpret clinical data, results of the laboratory tests and other diagnostics techniques;
	B.W7.	appropriate law regulations, rules governing issuing of the verdicts and official opinions for the law courts, state, local and veterinary administration;
	B.W8.	official epizootic procedures in case of the law-regulated diseases;
	B.W9.	conditions of animal welfare;
	B.W10.	the interaction between parasite and host, general symptoms and pathomorphological changes induced by parasites in the host organism;

		B.W11.	breeds within animal species, describes rules of animal husbandry and breeding;
		B.W12.	rules for animal selection for breeding, methods of breeding, reproductive biotechnology and husbandry selection;
		B.W13.	rules of animal feeding according to the species specifics and age;
		B.W14.	elaborate and analyse diet compositions;
		B.W15.	conditions for appropriate utilisation and disposal of animal by-products and management of waste from animal production;
		B.W16.	functioning of the State Veterinary Service, also in the aspect of public health prevention;
		B.W17.	rules of consumers health protection by the appropriate organ responsible for the production of foods of animal origin;
		B.W18.	HACCP (Hazard Analysis and Critical Control Points) procedures;
		B.W19.	procedures of ante-mortem and post-mortem examination of animals;
		B.W20.	conditions of hygiene and technology of animal production;
		C.W1.	nomenclature and grammatic structure of at least one foreign language, considered a language of international communication on the minimal level of B2+ (Common European Framework of Reference for Languages, CEFR), including specialised nomenclature required for professional veterinary practice;

<p>P7_WK Context Determinants, effects</p>	<p>fundamental dilemmas of contemporary civilization</p> <p>economic, legal, ethical and other conditions of various professional activities related to the field of study, including the principles of industrial property protection and copyright</p> <p>the basic principles of creating and developing various forms of entrepreneurship</p>	<p>A.W22.</p> <p>A.W23.</p> <p>B.W21.</p> <p>B.W22.</p> <p>C.W2.</p> <p>C.W3.</p>	<p>code of ethics of veterinary surgeon;</p> <p>laws governing intellectual property;</p> <p>regulations governing food production;</p> <p>rules of animal production economics;</p> <p>functioning of institutions associated with veterinary profession and social role of veterinary surgeon;</p> <p>occupational health and safety regulations in veterinary practice.</p>
<b>SKILLS – the graduate is able to</b>			
<p>P7U_U</p>	<p>perform tasks and formulate and solve problems using new knowledge, also from other fields.</p> <p>plan their own lifelong learning and guide others to do the same.</p> <p>communicate with a range of different audiences and give reasons for their views.</p>		

<p>P7S_UW Use of knowledge Problems solved and tasks performed</p>	<p>use their knowledge</p> <ul style="list-style-type: none"> <li>- Formulate and solve complex and non-typical problems and perform tasks in an innovative manner in unpredictable conditions by:</li> <li>- appropriate selection of sources and information from them, making judgements,</li> <li>Critical analysis, synthesis, creative assessment, critical analysis, synthesis, creative interpretation and presentation of this information,</li> <li>- selecting and applying appropriate methods and tools, including advanced ICT techniques,</li> <li>- adapt existing methods and tools or develop new ones</li> </ul>	A.U1.	utilise knowledge of physics to explain the influence of external factors (temperature, pressure, electromagnetic force, ionizing radiation) on animal organism;
		A.U2.	utilise basic laboratory techniques, such as: qualitative analysis, titration, colorimetry, pH measurement, chromatography and protein, and nucleic acid electrophoresis;
		A.U3.	calculate molar and percent concentration of substances and compounds in the iso-osmotic solutions;
		A.U4.	describe changes in the function of the organism occurring upon alteration of homeostasis;
		A.U5.	predict direction of biochemical processes depending on the energetic status of the cell;
		A.U6.	describe anatomical bases of veterinary evaluation regarding inter-species variations;
		A.U7.	define physiological status of the animal as an adaptive process to environmental variability;
		A.U8.	under optical microscopy, differentiate and describe histological structures characteristic to organs, tissues and cells, relate their structure to function regarding inter-species variations;
	<p>use their knowledge</p> <ul style="list-style-type: none"> <li>- formulate and solve problems and perform tasks typical of professional activity related to the field of study for degree programmes with a practical profile</li> </ul>	A.U9.	analyse genetic crosses and individual trait pedigrees from different species;
		A.U10.	conduct basic microbiological evaluation;
	<p>formulate and test hypotheses related to simple research problems</p> <ul style="list-style-type: none"> <li>- in the case of degree programmes with a general academic profile</li> </ul>	A.U11.	select and implement rational, direct and conceptual antimicrobial chemotherapy regarding target animal species;
	<p>formulate and test hypotheses connected with simple implementation problems</p> <ul style="list-style-type: none"> <li>- in the case of degree programmes with a practical profile</li> </ul>	B.U1.	handle animals in safe and humane way, and instructs others to do alike;
		B.U2.	conduct anamnesis in order to acquire precise information on animal or group of animals (heard), and their environment;
		B.U3.	carry out full clinical evaluation;
	B.U4.	perform first aid procedures for all animal species for haemorrhage, wounds, respiratory disorders, eye and ear injuries, loss of consciousness, cahexia, burns, tissue injuries,	



			internal injuries and heart block;
		B.U5.	evaluate nutritional state of the animal and ordains information on proper animal nutrition;
		B.U6.	collect and safeguard the biological material, conduct basic laboratory analyses, properly evaluate and interpret results of laboratory analyses;
		B.U7.	use diagnostic devices including x-ray, ultrasound, endoscopy, according to its manuals and health and safety regulations concerning animals and humans, interpret the results obtained from those diagnostic devices;
		B.U8.	implement according official epizootic procedures in case of the law-regulated diseases;
		B.U9.	acquire and use information on registered veterinary pharmaceuticals;
		B.U10.	prescribe and use veterinary pharmaceuticals and medical materials, including their safe storage and utilisation;
		B.U11.	use methods of safe sedation, general and local anaesthesia, and methods for pain evaluation and relief;
		B.U12.	monitor patient status during surgery and intensive care upon the basic life parameters;
		B.U13.	chose the treatment adequate for the diagnosed disease;
		B.U14.	implement rules of aseptic and antiseptic surgery procedures, and use proper methods of tools sterilisation;
		B.U15.	evaluate the need for euthanasia, properly informs the owner of the animal and carry out the euthanasia procedure according to rules and obligations of professional ethics and proper care and utilisation of the body;
		B.U16	carry out pathomorphological examination, prepare proper protocol, collect samples and safeguard them for transport;
		B.U17	conduct ante-mortem and post-mortem examination of animals;
		B.U18.	evaluate quality of the products of animal origin;

		B.U19.	conduct epizootic investigation to establish onset and source of the infectious disease on farm before its diagnosis, identification of other involved farms, routes of communication of people, animals, and farm implements that may facilitate disease transmission to or from the affected farm;
		B.U20.	use documentation of the health, welfare and, in certain cases, the productivity of animals (herd);
		B.U21.	prepare the preventive schemes according to the species specifics;
		B.U22.	evaluate the risk of chemical and biological contamination of foods of animal origin;
		B.U23.	collect samples for monitoring of presence of prohibited substances, chemical, biological, pharmaceutical and radioactive traces from animals, their secretions and excretions, tissues, products of animal origin, food, feed and water;
		B.U24.	evaluate the conditions of slaughter animal protection concerning various slaughter systems;
		B.U25.	evaluate the risk and prepare the procedures minimising the risk of contamination, cross-species infection and accumulation of the disease agents in veterinary facilities and the environment.

<p>P7S_UK <i>Communication - receiving and producing statements, disseminating knowledge in a scientific environment and using a foreign language</i></p>	<p>communicate on specialist subjects to a varied audience</p> <p>debate</p> <p>use a foreign language at B2+ level on the Common European Framework of Reference for Languages and a range of specialist terminology</p>	<p>A.U12.</p> <p>A.U13.</p> <p>A.U14.</p> <p>C.U1.</p> <p>C.U2.</p> <p>C.U3.</p> <p>C.U4.</p>	<p>effectively communicate with clients and veterinary surgeons;</p> <p>listen and explain in the language that is understandable and appropriate for the situation;</p> <p>formulate clear case studies and how to create documentation according to the current laws and regulations, in the form understandable for the owner of the animal and clear for other veterinary surgeons;</p> <p>use at least one foreign language, considered a language of international communication, to formulate and understand written and spoken expression of both general and veterinary nature on the minimal level of B2+ (Common European Framework of Reference for Languages, CEFR), including specialised nomenclature required for professional veterinary practice;</p> <p>critically analyse veterinary literature and formulate conclusions based on available literature;</p> <p>utilise computer systems and current sources of veterinary knowledge for effective use and process of information;</p> <p>effectively communicate with authorities of control offices and local, and national government.</p>
<p>P7S_UO <i>Organisation of work planning and teamwork</i></p>	<p>lead the work of the team</p> <p>interact with others as part of teamwork and take a lead role in teams</p>	<p>A.U15.</p> <p>A.U16.</p> <p>A.U17.</p>	<p>operate in the interdisciplinary team;</p> <p>appropriately interpret responsibility of the veterinary surgeon towards animal, its owner, society and the environment;</p> <p>evaluate toxicological risk related to various technological directions of animal production;</p>

<p>P7S_UU <i>Learning of others</i>  <i>Planning my own development and that of others</i></p>	<p>plan and implement their own lifelong learning and guide others to do so</p>	<p>A.U18. A.U19 A.U20. A.U21. A.U22. A.U23.</p>	<p>evaluates economical and sociological implications of the veterinary practice;</p> <p>implement professional skills in order to enhance the quality of veterinary care, animal welfare and public health;</p> <p>organise and maintain veterinary practice, calculate fees, issue official invoices, maintain fiscal records and use computer systems for effective communication, accumulation, processing, analysis and propagation of information;</p> <p>understand the need of continuous education for professional development;</p> <p>adapt professional offer to the dynamically changing situation on the work market;</p> <p>use the professional advice and help of the specialists or specialised units in difficult cases;</p>
<b>COMPETENCES - the graduate IS READY TO</b>			
<p>P7U_K</p>	<p>create and develop role models for appropriate behaviour in the working and living environment</p> <p>take initiatives, critically evaluate themselves and the teams and organisations they participate in</p> <p>lead a group and take responsibility for it</p>		
<p>P7S_KK <i>critical approach</i>  <i>Evaluations/critical approach</i></p>	<p>to critically appraise their knowledge and perceived content</p> <p>recognise the importance of knowledge in solving cognitive and practical problems and to seek advice from experts when having difficulty solving problems independently</p>	<p>KS.1 KS.2 KS.3 KS.4</p>	<p>demonstrate responsibility for their decisions towards people, animals and the environment</p> <p>demonstrate an attitude in line with ethical principles and undertake actions based on the code of ethics in professional practice and to demonstrate tolerance towards attitudes and behaviours resulting from different social and cultural backgrounds</p> <p>participate in conflict resolution, as well as demonstrate flexibility in responses to social changes</p> <p>use objective sources of information</p>

<p>P7S_KO Responsibility Fulfilling social responsibilities in the public interest</p>	<p>fulfil social obligations, inspire and organise activities for the social environment</p> <p>initiate actions in the public interest</p> <p>think and act entrepreneurially</p>	<p>KS.5</p> <p>KS.6</p> <p>KS.7</p> <p>KS.8</p> <p>KS.9</p> <p>KS.10</p>	<p>formulate conclusions from their own measurements or observations</p> <p>formulate opinions on various aspects of professional activity</p> <p>to use knowledge and skills in order to improve their knowledge and skills; to deepen their knowledge and skills; to improve their knowledge and skills in order to</p> <p>improve their knowledge and skills;</p> <p>communicate with colleagues and share knowledge;</p> <p>operate under conditions of uncertainty and stress;</p>
<p>P7S_KR Professional role independence and ethos development</p>	<p>the responsible performance of professional roles, taking account of changing needs in society, including</p> <ul style="list-style-type: none"> <li>- developing the achievements of the profession,</li> <li>- uphold the ethos of the profession,</li> <li>- observing and developing the principles of professional ethics and acting in order to uphold such principles</li> </ul>	<p>KS.11</p> <p>KS.12</p>	<p>co-operate with other professions in the field of public health</p> <p>engage in professional and self-governmental organisations.</p>

## 11. DESCRIPTION OF THE CONCEPT OF EDUCATION

The concept and education aims for veterinary medicine are direct representation of:

- A) European regulations regarding veterinary medicine education i.e. Directive 2005/36 /WE of the European Parliament and the European Council from 7<sup>th</sup> of September 2005 on the recognition of professional qualifications (OJ L 255, 30.9.2005, p. 22);
- B) Ordinance of the Minister of Science and Higher Education from 17<sup>th</sup> of July 2019 on the standard of education preparing for the profession of veterinary surgeon (Journal of Laws of 2019, item 1364);
- C) Requirements of the EAEVE (European Association of Establishments for Veterinary Education) described in the European System of Evaluation of Veterinary Training (ESEVT SOP 2019, Upsala 30 May 2019);
- D) University quality of education policy adopted on January 27, 2020 by the SGGW Senate in Warsaw (Resolution 67-2019/2020 introducing the new - third edition of the university's Internal System for Ensuring and Improving the Quality of Education at the Warsaw University of Life Sciences)
- E) Resolution 76 - 2020/2021 of the Senate of the Warsaw University of Life Sciences of 22 February 2021 on the guidelines for the creation and revision of curricula for first-cycle, second-cycle and uniform master's degree programmes starting from the academic year 2021/2022;
- F) Faculty quality of education policy presented in the document: Faculty Quality Assurance and Improvement System for Education issued by the Team for the Quality of Education and the FVM Program Council February 17<sup>th</sup> 2021.

Education on the veterinary faculty is subject to strict legal regulations contained in the above-mentioned normative acts of a higher order (points A-D), which is also reflected in the Resolution of the Senate of the Warsaw University of Life Sciences 76 - 2020/2021 of 22 February 2021, whose § 1, paragraph 23 states that "**The curriculum preparing for the pursuit of the profession of veterinary surgeon shall take into account the educational standards which shall be defined, by way of an ordinance, by the minister responsible for higher education and**

### **science in consultation with the minister responsible for agriculture"**

Study offering in veterinary medicine at the Faculty of Veterinary Medicine, WULS-SGGW formulates an answer to current social situation and challenges of global professional market. Mission of the Faculty is to conduct actions promoting social development through state-of-the-art scientific research and constant development of professional staff. Furthermore, study offering for veterinary medicine reflects fluctuating needs and changes of the professional market through permanent collaboration with the socio-economic environment in the field of teaching and research activities.

#### **Study offering for veterinary medicine through the careful and competent selection of programme content provides students of long-cycle Master's degree programme with:**

- knowledge required to describe rules and mechanisms underlining animal health, disease and therapy, from the cellular level, through tissue, organ, organism to the whole animal population and ecosystem;
- competence in analysis and interpretation of clinical symptoms, pathomorphology changes, and results of laboratory and supplementary diagnostics;
- competence in disease diagnosis (with specific impact on differential diagnostics);
- skills in therapeutic and prophylactic actions;
- competences in soft skills: problem solving, accumulation, elaboration and propagation of knowledge, working in the multidisciplinary team.

This concept predicts that graduate is at a basic competence level to conduct scientific and analytical tasks, and knows how to utilise acquired competences to adapt to the constantly changing global professional market in both private and public sectors.

### **ORGANIZATION OF THE EDUCATION**

According to the Regulation of the Ministry of Science and Higher Education from July 17<sup>th</sup> 2019, regarding education standards for veterinary profession (Dz. U. z 2019, poz. 1364), veterinary education is realised through the student participation in three distinct types of classes: lectures; practical classes; clinical rotations and work practices. Basic and directional subjects are taught as mandatory and elective modules.

The education process is carried out in the form of classes or groups of classes preparing for the profession of a veterinarian within classes A-E:

- A. basic knowledge (physics, chemistry, biochemistry, animal and plant biology, microbiology, anatomy with histology and embryology, physiology, genetics, pharmacology, pharmacy, toxicology, immunology, epidemiology, applied mathematics of biological sciences, professional ethics);
- B. professional education
  - clinical sciences (obstetrics, pathology with pathological anatomy, parasitology, general surgery with anaesthesiology, laboratory and clinical diagnostics, clinical classes on internal and infectious diseases, surgery and reproduction of domestic animals, diseases of poultry and other animals, prevention, radiology, reproduction and reproductive disorders, organization and functioning of the veterinary inspection, public health, veterinary legislation, forensic medicine, therapeutic procedure, propaedeutics),
  - animal production (technologies in animal production, animal nutrition, agronomy, agricultural economics, animal husbandry, veterinary hygiene, ethology and animal protection)
  - food hygiene (inspection and control of feed and foodstuffs of animal origin, food hygiene and technology, practical training, including practical training in slaughterhouses and food processing plant of animal origin);
- C. supplementary classes (especially foreign languages and information technology)
- D. clinical rotations
- E. work practices

Theoretical and practical education in individual groups of classes is distributed, balanced and coordinated in such a way that the acquired knowledge and skills allow the veterinarian to fulfil all the tasks entrusted to him.

Studies conducted at the Faculty of Veterinary Medicine at the Warsaw University of Life Sciences SGGW have an general-academic profile, i.e. the study program includes classes and groups of classes related to scientific activity in the veterinary discipline, to which ECTS points have been assigned in a dimension greater than 50% of the number of ECTS points necessary to complete studies , and takes into account the participation of students in classes preparing for conducting scientific activity or participation in this activity.



## **MINIMAL AMOUNT OF CLASSES AND ECTS POINTS**

<b>Groups of classes in which detailed learning outcomes are achieved</b>	<b>Hours</b>	<b>ECTS points</b>
A. Basic knowledge	1170	90
B. Professional education B1. clinical sciences B2. Animal production B3. Food hygiene	1870	135
C. Supplementary Classes	150	15
D. Clinical rotations	360	22
E. Work practices	560	15
IN TOTAL	4110	277

## **CLINICAL ROTATIONS AND WORK PRACTICES IN THE EDUCATION PROGRAMME OF VETERINARY SCIENCES**

### **12. Minimal clinical rotations included in the Ministry of Science and Higher Education regulations:**

The clinical internship is carried out under the direct supervision of an academic teacher or another person conducting classes who has the right to practice the profession of a veterinarian.

Type of the rotation	Period	Hours
Avian diseases	after 9 <sup>th</sup> semester	40
Farm animal diseases	after 9 <sup>th</sup> semester	120
Dog and cat diseases	after 9 <sup>th</sup> semester	120
Equine diseases	after 9 <sup>th</sup> semester	90

Farm animal diseases rotation and Equine diseases rotation are realised within single modules of respectively 120 and 90 curricular hours, similarly Avian diseases rotation is realised as a single module of 40 hours. Exceeding Ministry regulations, following consultations with external stakeholders, the Rotation – laboratory class of parasitology was introduced with 15 curricular hours and Rotation – veterinary laboratory diagnostics 15 hours. All rotations excluding Rotation – veterinary laboratory diagnostics (which is realised at 11<sup>th</sup> semester) are scheduled for 10<sup>th</sup> semester.

### 13. Work practices:

Work practices are oriented towards practical aspects of functioning and the role of veterinarian on animal production/reproduction farms, veterinary clinics, slaughterhouses and food of animal origin production facilities.

Type of work practice	Period	Time	
		weeks	Hours
Husbandry practice	after 4 <sup>th</sup> semester	2	80
Clinical practice (1)	after 8 <sup>th</sup> semester	4	160
Vet. inspection practice (1)	after 8 <sup>th</sup> semester	2	80
Clinical practice (2)	after 10 <sup>th</sup> semester	4	160
Vet. inspection practice (2)	after 10 <sup>th</sup> semester	2	80

Considering the weight of the subject, the clinical practices received 19 ECTS points, according to the following pattern:

- husbandry practice (after 4<sup>th</sup> semester) – 3 ECTS points
- clinical practice (after 8<sup>th</sup> semester) – 5 ECTS points
- vet. inspection, slaughter house (after 8<sup>th</sup> semester) – 3 ECTS points
- clinical practice (after 10<sup>th</sup> semester) – 5 ECTS points
- vet. inspection, meat hygiene (after 10<sup>th</sup> semester) – 3 ECTS points

All work practices are realised by external stakeholders. During work practice, student is obliged to fill in the summer practice diary, which must be authenticated by the external stakeholder. Within first two weeks of semester following the summer work practice, student undergoes examination with designated University teachers to obtain the grade.

### 14 Quantitative indicators

1) completion of classes in the humanities and/or social sciences

sem. 1 - 3 ECTS

sem. 2 - 2 ECTS

sem. 3 - 4 ECTS

sem. 4 - 4 ECTS

sem. 5 - 2 ECTS

sem. 7 – 1ECTS

total: 16 ECTS

2) 61% of the number of ECTS credits allocated to the programme of study shall be allocated to courses taught with the direct participation of academic staff or other instructors

**Contact ECTS - 219 ECTS**

Attachments:

15. Attachment 1 – study offering
16. Attachment 2 – learning outcomes matrix
17. Attachment 3 – Opinion of the Discipline council
18. Attachment 4 – Opinion of the student council
19. Attachment 5 – general description of the modules