

Correspondence between the subjects provided for in Directive 2005/36/EC (as amended by Directive 2013/55/EU) and of the European System of Evaluation of Veterinary Training (ESEVT) and the competences of Veterinary Medicine graduates by FMV-ULisboa

INPUT (ESEVT SUBJECTS)	UCs (Curriculum)	OUTPUT (DAY 1 ESEVT Competences)	OUTPUT (DAY 1 FMV Competences)
Basic subjects			
Medical physics	Biophysics Imagiology	<p>1.4 Promote, monitor and contribute to maintaining health and safety of one-self, patients, clients, colleagues and environment in the veterinary setting; demonstrate knowledge about the principles of quality assurance; apply principles of risk management in practice.</p> <p>1.24 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. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</p>	<p>1.1.7; 1.1.8</p> <p>1.1.7; 1.1.10; 3.1.4; 3.2.2; 3.2.3; 3.1.12</p>
Chemistry (inorganic and organic sections)	Biochemistry I, II Complementary Activities III, IV	<p>1.24 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. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</p>	<p>1.1.7; 1.1.10; 3.1.4; 3.2.2; 3.2.3; 3.1.12</p>
Animal biology, zoology and cell biology	Anatomy I, II Histology I, II Physiology I, II Biochemistry I, II Embryology and Developmental Biology Molecular Biology of the Cell Complementary Activities III, IV	<p>1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).</p>	<p>1.1.3</p>
Feed plant biology and toxic plants	Plant Biology, Agriculture and Environment Zootecnicns	<p>1.16 Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment.</p> <p>1.21 Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health.</p>	<p>3.1.3</p> <p>3.3.4; 3.4.6</p>

		<p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.36 Perform inspection of food and feed to correctly identify conditions affecting the quality and safety of products of animal origin, including related food technology.</p>	<p>3.2.4</p> <p>3.3.5</p>
Biomedical statistics	<p>Biomathematics, Computing and Documentation</p> <p>Epidemiology</p>	<p>1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).</p> <p>1.24 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. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</p>	<p>1.1.3</p> <p>1.1.7; 1.1.10; 3.1.4; 3.2.2; 3.2.3; 3.1.12</p>
Specific veterinary subjects			
Basic Sciences			
Anatomy, histology and embryology	<p>Anatomy I, II, III</p> <p>Histology I, II</p> <p>Embryology and Developmental Biology</p> <p>Imagiology</p>	<p>1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).</p>	1.1.3
Physiology	Physiology I, II	<p>1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).</p>	1.1.3
Biochemistry	<p>Biochemistry I, II</p> <p>Molecular Biology of the Cell</p> <p>Complementary Activities III, IV</p>	<p>1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).</p> <p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p>	<p>1.1.3</p> <p>3.2.4; 3.3.5</p>
General and molecular genetics	<p>Biochemistry I, II</p> <p>Molecular Biology of the Cell</p> <p>Genetics</p> <p>Animal Breeding</p>	<p>1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).</p>	1.1.3

Pharmacology, pharmacy and pharmacotherapy	Pharmacology and Therapeutics I, II Complementary Activities III, IV	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.26 Access the appropriate sources of data on information and legislation relating to animal care and welfare, animal movement, notifiable and reportable diseases, use of medicines, including responsible use of antimicrobials.</p> <p>1.27 Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance.</p> <p>1.28 Report suspected adverse reactions through the appropriate channel.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.1; 1.1.4; 3.4.1; 3.4.2</p> <p>3.1.10</p> <p>3.1.10</p>
Pathology	<p>Anatomical Pathology I, II</p> <p>General Pathology</p> <p>Pathology and Clinics of Parasitic Diseases</p> <p>Pathology and Clinics of Infectious Diseases I, II</p> <p>Medicine I, II</p> <p>Complementary Activities III, IV</p>	<p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</p> <p>1.34 Perform necropsy in all common animal species, including sampling, dispatching and reporting.</p>	<p>1.1.2; 1.1.3</p> <p>3.1.4; 3.2.4; 3.3.5</p> <p>2.3</p> <p>3.2.8</p>
Toxicology	<p>Toxicology</p> <p>Complementary Activities III, IV</p>	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</p> <p>1.25 Recognize signs of possible notifiable, reportable and zoonotic diseases as well as abuse and take appropriate action, including notifying the relevant authorities.</p>	<p>1.1.1; 1.1.9</p> <p>3.1.4; 3.2.4; 3.3.5</p> <p>2.3</p> <p>1.1.1</p>

Parasitology	Parasitology I, II	<p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.25 Recognize signs of possible notifiable, reportable and zoonotic diseases as well as abuse and take appropriate action, including notifying the relevant authorities.</p> <p>1.38 Advise on, and implement, preventive and eradication programs appropriate to the species and in line with accepted animal health, welfare and public health standards.</p>	<p>3.1.4; 3.2.4; 3.3.5</p> <p>3.1.14; 3.4.1; 3.4.2; 3.4.5</p> <p>3.1.13</p>
Microbiology	Microbiology I, II	<p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.25 Recognize signs of possible notifiable, reportable and zoonotic diseases as well as abuse and take appropriate action, including notifying the relevant authorities.</p> <p>1.38 Advise on, and implement, preventive and eradication programs appropriate to the species and in line with accepted animal health, welfare and public health standards.</p>	<p>3.1.4; 3.2.4; 3.3.5</p> <p>3.1.14; 3.4.1; 3.4.2; 3.4.5</p> <p>3.1.13</p>
Immunology	Immunology	<p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.38 Advise on, and implement, preventive and eradication programs appropriate to the species and in line with accepted animal health, welfare and public health standards.</p>	<p>1.1.2; 1.1.3</p> <p>3.1.13</p>
Epidemiology	Epidemiology	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.1; 1.2.3</p> <p>1.1.2; 1.1.3</p> <p>1.1.2; 1.1.6</p>

		1.38 Advise on, and implement, preventive and eradication programs appropriate to the species and in line with accepted animal health, welfare and public health standards.	3.1.13; 3.4.2
Information literacy and data management	Biomathematics, Computing and Documentation Epidemiology	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health, societal- and environmental-related aspects.</p> <p>1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).</p> <p>1.7 Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to the relevant audiences.</p> <p>1.9 Be able to review and evaluate literature and presentations critically.</p> <p>1.11 Demonstrate ability to critically analyze evidence, cope with incomplete information, deal with contingencies, and adapt knowledge and skills to varied scenarios and contexts.</p> <p>1.24 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. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.3</p> <p>1.1.5</p> <p>1.1.3; 1.1.4</p> <p>1.2.3</p> <p>1.1.7; 1.1.10; 3.1.4; 3.2.2; 3.2.3; 3.1.12</p>
Professional ethics and communication	Deontology and Bioethics Veterinary Medical Profession and Science Communication	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.4 Promote, monitor and contribute to maintaining health and safety of one-self, patients, clients, colleagues and environment in the veterinary setting; demonstrate knowledge about the principles of quality assurance; apply principles of risk management in practice.</p> <p>1.5 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.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.1; 1.1.8; 1.2.1; 1.2.3</p> <p>1.1.7; 1.1.8</p> <p>2.1; 2.5; 2.6</p>

		<p>1.6 Implement principles of effective interpersonal interaction, including communication, leadership, management, team working, mutual respect and other soft skills.</p> <p>1.7 Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to the relevant audiences.</p> <p>1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognize the contribution of all team members.</p> <p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.11 Demonstrate ability to critically analyze evidence, cope with incomplete information, deal with contingencies, and adapt knowledge and skills to varied scenarios and contexts</p> <p>1.13 Demonstrate the ability to recognize personal and professional limits, and know how to seek professional advice, assistance and support when necessary.</p> <p>1.14 Demonstrate a commitment to lifelong learning and to professional development. This includes recording and reflecting on professional experience and taking measures to improve performance and competence.</p> <p>1.15 Engage in self-audit and peer-group review processes on a regular basis in order to improve performance.</p> <p>1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</p> <p>1.33 Recognize 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 carcass.</p>	<p>2.1; 2.2; 2.5</p> <p>1.1.5</p> <p>2.2; 2.4; 2.5</p> <p>1.1.2; 1.1.3</p> <p>1.2.3</p> <p>1.2.2</p> <p>1.2.4</p> <p>1.2.2; 1.2.4</p> <p>2.3</p> <p>3.1.9</p>
Animal health economics and practice management	Economics and Management Herd Health Food Animal Clinics I, II Pathology and Clinics of Infectious Diseases I	1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects	1.1.1; 1.1.9

		<p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.4 Promote, monitor and contribute to maintaining health and safety of oneself, patients, clients, colleagues and the environment in the veterinary setting; demonstrate knowledge about the principles of quality assurance; apply principles of risk management in practice.</p> <p>1.6 Implement principles of effective interpersonal interaction, including communication, leadership, management, team working, mutual respect and other soft skills.</p> <p>1.7 Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to the relevant audiences.</p> <p>1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognize the contribution of all team members.</p> <p>1.11 Demonstrate ability to critically analyze evidence, cope with incomplete information, deal with contingencies, and adapt knowledge and skills to varied scenarios and contexts.</p> <p>1.13 Demonstrate the ability to recognize personal and professional limits, and know how to seek professional advice, assistance and support when necessary.</p> <p>1.15 Engage in self-audit and peer-group review processes on a regular basis in order to improve performance.</p> <p>1.33 Recognize when euthanasia is appropriate and perform it with respect of the animal and its owners, using an appropriate method, with due regard to the safety of those present; advise on ethical and legal disposal of the carcass.</p>	<p>1.1.1; 1.1.8; 1.2.1; 1.2.3</p> <p>1.1.7; 1.1.8</p> <p>2.1; 2.2; 2.5</p> <p>1.1.5</p> <p>2.2; 2.4; 2.5</p> <p>1.2.3</p> <p>1.2.2</p> <p>1.2.3; 1.2.4</p> <p>3.1.9</p>
Animal ethology	Animal Behavior and Welfare Complementary Activities I, II	1.17 Handle and restrain animal patients safely and with respect of the animal, and instruct others in helping the veterinarian perform these techniques.	3.2.1
Animal welfare	Animal Behavior and Welfare Complementary Activities I, II Herd Health Food Animal Clinics I, II Zootechnics	1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.	1.1.1; 1.1.9

	Animal Production I, II	<p>1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.</p> <p>1.21 Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health.</p> <p>1.33 Recognize when euthanasia is appropriate and perform it with respect of the animal and its owners, using an appropriate method, with due regard to the safety of those present; advise on ethical and legal disposal of the carcass.</p>	<p>1.1.2; 1.1.6</p> <p>3.1.1; 3.1.2; 3.1.13, 3.3.2; 3.3.4; 3.3.7</p> <p>3.1.9</p>
Animal nutrition	Animal Nutrition Animal Feeding	<p>1.21 Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health.</p> <p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p>	<p>3.1.13, 3.3.1; 3.3.2; 3.3.4; 3.3.7 3.4.6</p> <p>3.1.4; 3.2.4; 3.3.5</p>
Clinical Sciences in companion animals (including equine and exotic species)			
Obstetrics, reproduction and reproductive disorders	Reproduction and Obstetrics I, II	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine</p> <p>1.16 Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment.</p> <p>1.18 Perform a complete clinical examination and demonstrate ability in clinical decision-making.</p>	<p>1.1.1</p> <p>1.1.1; 1.2.3</p> <p>1.1.2; 1.1.3</p> <p>3.1.3</p> <p>3.1.4; 3.1.5; 3.1.7; 3.1.8; 3.1.9; 3.2.2</p>

		<p>1.21 Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health.</p> <p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</p> <p>1.24 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. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</p> <p>1.25 Recognize signs of possible notifiable, reportable and zoonotic diseases as well as abuse and take appropriate action, including notifying the relevant authorities.</p> <p>1.26 Access the appropriate sources of data on information and legislation relating to animal care and welfare, animal movement, notifiable and reportable diseases, use of medicines, including responsible use of antimicrobials.</p> <p>1.27 Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance.</p> <p>1.31 Safely perform sedation, and general and regional anaesthesia; implement chemical methods of restraint.</p> <p>1.32 Prevent, assess and manage pain.</p>	<p>3.1.1; 3.1.2; 3.1.11; 3.1.13, 3.3.1 3.3.2; 3.3.3</p> <p>3.1.4; 3.2.4</p> <p>2.3</p> <p>1.1.10; 3.2.3</p> <p>3.1.14; 3.4.2; 3.4.5</p> <p>1.1.1; 1.1.4; 3.4.3; 3.4.4</p> <p>3.1.10</p> <p>3.2.6</p> <p>3.2.6</p>
Diagnostic pathology	<p>Medical Propaedeutics I, II</p> <p>Anatomical Pathology I, II</p> <p>Imagiology</p> <p>Diagnostic Imaging</p>	<p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</p>	<p>1.1.2; 1.1.3</p> <p>3.1.4; 3.2.4; 3.3.5</p> <p>2.3</p>

		1.34 Perform necropsy in all common animal species, including sampling, dispatching and reporting	3.2.8
Medicine	Medical Propaedeutics I, II Medicine I, II Herd Health Clinical Rotations III, IV	<p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.16 Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment.</p> <p>1.18 Perform a complete clinical examination and demonstrate ability in clinical decision-making.</p> <p>1.19 Develop appropriate treatment plans and administer treatment in the interests of the animals under their care with regard to the resources available and to appropriate public health and environmental considerations.</p> <p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</p> <p>1.24 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. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</p> <p>1.27 Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance.</p> <p>1.32 Prevent, assess and manage pain.</p>	<p>1.1.2; 1.1.3</p> <p>3.1.3</p> <p>3.1.4; 3.1.5; 3.1.7; 3.1.8; 3.1.9; 3.2.2</p> <p>3.1.6; 3.1.7; 3.1.8</p> <p>3.1.4; 3.2.4; 3.3.5</p> <p>2.3</p> <p>1.1.7; 1.1.10; 3.1.4; 3.2.2; 3.2.3; 3.1.12</p> <p>3.1.10</p> <p>3.2.6</p>
Surgery	Surgery I, II Surgical Semiology and Operative Techniques	<p>1.7 Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to the relevant audiences.</p> <p>1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognize the contribution of all team members.</p>	<p>1.1.5</p> <p>2.2; 2.4; 2.5</p>

		<p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.16 Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment.</p> <p>1.20 Attend in an emergency and perform first aid in common animal species*. Prioritize situational urgency and allocate resources accordingly.</p> <p>1.24 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. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</p> <p>1.30 Perform aseptic procedures appropriately.</p> <p>1.31 Safely perform sedation, and general and regional anaesthesia; implement chemical methods of restraint.</p> <p>1.32 Prevent, assess and manage pain.</p>	<p>1.1.2; 1.1.3</p> <p>3.1.3</p> <p>3.1.5; 3.2.5</p> <p>1.1.7; 1.1.10; 3.1.4; 3.2.2; 3.2.3; 3.1.12</p> <p>3.2.7</p> <p>3.2.6</p> <p>3.2.6</p>
Anesthesiology and analgesia	Anaesthesia and Analgesia	<p>1.31 Safely perform sedation, and general and regional anaesthesia; implement chemical methods of restraint.</p> <p>1.32 Prevent, assess and manage pain.</p>	<p>3.2.6</p> <p>3.2.6</p>
Clinical practical training in common animal species*	<p>Food Animal Clinics I, II</p> <p>Equine Clinics I, II</p> <p>Companion Animal Clinics I, II</p> <p>Pathology and Clinics of Infectious Diseases I, II</p> <p>Clinical Rotations I, II, III, IV, V, VI</p>	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.5 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.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.1; 1.1.8; 1.2.1; 1.2.3</p> <p>2.1; 2.5; 2.6</p>

1.7 Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to the relevant audiences.	1.1.5
1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognize the contribution of all team members.	2.2; 2.4; 2.5
1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.	1.1.2; 1.1.3
1.11 Demonstrate ability to critically analyze evidence, cope with incomplete information, deal with contingencies, and adapt knowledge and skills to varied scenarios and contexts.	1.2.3
1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.	1.1.2; 1.1.6
1.13 Demonstrate the ability to recognize personal and professional limits, and know how to seek professional advice, assistance and support when necessary.	1.2.2
1.14 Demonstrate a commitment to lifelong learning and to professional development. This includes recording and reflecting on professional experience and taking measures to improve performance and competence.	1.2.4
1.16 Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment.	3.1.3
1.17 Handle and restrain animal patients safely and with respect of the animal, and instruct others in helping the veterinarian perform these techniques.	3.2.1
1.18 Perform a complete clinical examination and demonstrate ability in clinical decision-making.	3.1.4; 3.1.5; 3.1.7; 3.1.8; 3.1.9; 3.2.2
1.19 Develop appropriate treatment plans and administer treatment in the interests of the animals under their care with regard to the resources available and to appropriate public health and environmental considerations.	3.1.6; 3.1.7; 3.1.8
1.20 Attend in an emergency and perform first aid in common animal species*. Prioritize situational urgency and allocate resources accordingly.	3.1.5; 3.2.5

		<p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</p> <p>1.24 Use basic diagnostic equipment and carry out an examination effectively as appropriate to the case, in accordance with good health and safety practice and current regulations. Understand the contribution of digital tools and artificial intelligence in veterinary medicine.</p> <p>1.25 Recognize signs of possible notifiable, reportable and zoonotic diseases as well as abuse and take appropriate action, including notifying the relevant authorities.</p> <p>1.26 Access the appropriate sources of data on information and legislation relating to animal care and welfare, animal movement, notifiable and reportable diseases, use of medicines, including responsible use of antimicrobials.</p> <p>1.27 Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance.</p> <p>1.30 Perform aseptic procedures appropriately.</p> <p>1.31 Safely perform sedation, and general and regional anaesthesia; implement chemical methods of restraint.</p> <p>1.32 Prevent, assess and manage pain.</p> <p>1.33 Recognize when euthanasia is appropriate and perform it with respect of the animal and its owners, using an appropriate method, with due regard to the safety of those present; advise on ethical and legal disposal of the carcass.</p> <p>1.34 Perform necropsy in all common animal species, including sampling, dispatching and reporting.</p>	<p>3.1.4; 3.2.4; 3.3.5</p> <p>2.3</p> <p>1.1.7; 1.1.10; 3.1.4; 3.2.2; 3.2.3; 3.1.12</p> <p>3.1.14; 3.4.5</p> <p>1.1.1; 1.1.4; 3.4.3</p> <p>3.1.10</p> <p>3.2.7</p> <p>3.2.6</p> <p>3.2.6</p> <p>3.1.9</p> <p>3.2.8</p>
Infectious diseases	Pathology and Clinics of Infectious Diseases I, II Clinical Rotations I, II, III, IV, V, VI	1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.	1.1.2; 1.1.3

		<p>1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.</p> <p>1.19 Develop appropriate treatment plans and administer treatment in the interests of the animals under their care with regard to the resources available and to appropriate public health and environmental considerations.</p> <p>1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.</p> <p>1.23 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.</p> <p>1.34 Perform necropsy in all common animal species, including sampling, dispatching and reporting.</p> <p>1.38 Advise on, and implement, preventive and eradication programmes appropriate to the species and in line with accepted animal health, welfare and public health standards.</p>	<p>1.1.2; 1.1.6</p> <p>3.1.6; 3.1.7; 3.1.8</p> <p>3.1.4, 3.2.4, 3.3.5</p> <p>2,3</p> <p>3.2.8</p> <p>3.1.13; 3.4.2</p>
Preventive medicine	Epidemiology Immunology Pathology and Clinics of Infectious Diseases I, II Herd Health	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.10 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.</p> <p>1.38 Advise on, and implement, preventive and eradication programs appropriate to the species and in line with accepted animal health, welfare and public health standards.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.1; 1.1.8; 1.2.1; 1.2.3</p> <p>1.1.2; 1.1.3</p> <p>1.1.2; 1.1.6</p> <p>3.1.13; 3.4.2</p>

<p>Diagnostic imaging</p>	<p>Imagiology Medicine I, II Reproduction and Obstetrics I, II Diagnostic imaging Food Animal Clinics I, II Equine Clinics I, II Companion Animal Clinics I, II</p>	<p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.24 Use basic diagnostic equipment and carry out an examination effectively as appropriate to the case, in accordance with good health and safety practice and current regulations. Understand the contribution of digital tools and artificial intelligence in veterinary medicine</p>	<p>1.1.2; 1.1.3</p> <p>1.1.7; 1.1.10; 3.1.4; 3.2.2; 3.2.3; 3.1.12</p>
<p>Therapy in common animal species</p>	<p>Pharmacology and Therapeutics I, II Immunology Medicine I, II Reproduction and Obstetrics I, II Pathology and Clinics of Infectious Diseases I, II Food Animal Clinics I, II Equine Clinics I, II Companion Animal Clinics I, II Herd Health</p>	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.</p> <p>1.19 Develop appropriate treatment plans and administer treatment in the interests of the animals under their care with regard to the resources available and to appropriate public health and environmental considerations.</p> <p>1.27 Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance.</p> <p>1.28 Report suspected adverse reactions through the appropriate channel.</p> <p>1.31 Safely perform sedation, and general and regional anaesthesia; implement chemical methods of restraint.</p> <p>1.32 Prevent, assess and manage pain.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.1; 1.1.8; 1.2.1; 1.2.3</p> <p>1.1.2; 1.1.3</p> <p>1.1.2; 1.1.6</p> <p>3.1.6; 3.1.7; 3.1.8</p> <p>3.1.10</p> <p>3.1.10</p> <p>3.2.6</p> <p>3.2.6</p>

Clinical Sciences in food-producing animals (including Animal Production and Herd Health Management)

<p>Animal Production, including breeding, husbandry and economics</p>	<p>Zootechnics Plant Biology, Agriculture and Environment Animal Behavior and Welfare Genetics Animal Breeding Economics and Management Animal Production I, II Reproduction and Obstetrics I, II Pathology and Clinics of Infectious Diseases I, II Food Animal Clinics I, II Herd Health</p>	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognize the contribution of all team members.</p> <p>1.21 Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.1; 1.1.8; 1.2.1; 1.2.3</p> <p>2.2; 2.4; 2.5</p> <p>3.1.1; 3.1.2; 3.1.11; 3.1.13, 3.3.1; 3.3.2; 3.3.3; 3.3.4; 3.3.7; 3.4.6</p>
<p>Herd health management</p>	<p>Animal Production I, II Animal Feeding Epidemiology Reproduction and Obstetrics I, II Pathology and Clinics of Infectious Diseases I, II Food Animal Clinics I, II Herd Health</p>	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.</p> <p>1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognize the contribution of all team members.</p> <p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.</p> <p>1.16 Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.1; 1.1.8; 1.2.1; 1.2.3</p> <p>2.2; 2.4; 2.5</p> <p>1.1.2; 1.1.3</p> <p>1.1.2; 1.1.6</p> <p>3.1.3</p>

	<p>1.21 Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health.</p> <p>1.25 Recognize signs of possible notifiable, reportable and zoonotic diseases as well as abuse of animals and take appropriate action, including notifying the relevant authorities.</p> <p>1.29 Recommend and evaluate protocols for biosecurity, and apply these principles correctly.</p> <p>1.34 Perform necropsy in all common animal species, including sampling, dispatching and reporting</p> <p>1.38 Advise on, and implement, preventive and eradication programs appropriate to the species and in line with accepted animal health, welfare and public health standards.</p>	<p>3.1.1; 3.1.2; 3.1.11; 3.1.13, 3.3.1; 3.3.2; 3.3.3; 3.3.4; 3.3.7; 3.4.6</p> <p>3.1.14; 3.4.1; 3.4.2; 3.4.5</p> <p>1.1.2; 1.1.7; 1.1.8; 3.1.12; 3.4.9</p> <p>3.2.8</p> <p>3.1.13; 3.4.2</p>
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Veterinary Public Health (including Food Safety and Quality)

Veterinary legislation including official controls and regulatory veterinary services, forensic veterinary medicine and certification

Animal Production I, II
Zootechnics
Epidemiology
Pathology and Clinics of Infectious Diseases I, II
Veterinary Inspection I, II
Veterinary Public Health
Toxicology
Technology of Animal Products
Hygiene and food Safety

1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.

1.3 Demonstrate a basic knowledge of the organization, management and legislation related to veterinary practice. Understand the economic and emotional context in which the veterinarian operates.

1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.

1.25 Recognize signs of possible notifiable, reportable and zoonotic diseases as well as abuse of animals and take appropriate action, including notifying the relevant authorities.

1.29 Recommend and evaluate protocols for biosecurity, and apply these principles correctly.

1.1.1; 1.1.9

1.1.1; 1.1.8; 1.2.1; 1.2.3

1.1.2; 1.1.6

3.1.14

1.1.2; 1.1.7; 1.1.8; 3.1.12; 3.4.9;

		<p>1.37 Protect public health by identifying conditions that are directly or indirectly related to animals, their products and by-products, when they contribute to the protection, conservation and improvement of human health.</p> <p>1.38 Advise on and implement preventive and eradication programs appropriate to the disease and species, in line with accepted animal health, animal welfare, public health and environmental health standards.</p>	<p>3.4.7; 3.4.8; 3.4.9; 3.4.10; 3.4.11; 3.4.12</p> <p>3.1.13; 3.4.2</p>
Control of food, feed and animal by-products	<p>Plant Biology, Agriculture and Environment</p> <p>Animal Nutrition</p> <p>Animal Feeding</p> <p>Veterinary Inspection I, II</p> <p>Veterinary Public Health</p> <p>General Technology</p> <p>Technology of Animal Products</p> <p>Hygiene and Food Safety</p>	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognize the contribution of all team members.</p> <p>1.10 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals, people and the environment, as well as the United Nations Sustainable Development Goals.</p> <p>1.29 Recommend and evaluate protocols for biosecurity, and apply these principles correctly.</p> <p>1.35 Perform ante-mortem inspection of food-producing animals including paying attention to welfare aspects, systematic gross post-mortem examination, record observations, sample tissues, store and transport them.</p> <p>1.36 Perform inspection of food and feed to correctly identify conditions affecting the quality and safety of products of animal origin, including related food technology.</p> <p>1.37 Protect public health by identifying conditions that are directly or indirectly related to animals, their products and by-products, when they contribute to the protection, conservation and improvement of human health.</p>	<p>1.1.1; 1.1.9</p> <p>2.2; 2.4; 2.5</p> <p>1.1.2; 1.1.3</p> <p>1.1.2; 1.1.7; 1.1.8; 3.1.12; 3.4.9</p> <p>3.4.7; 3.4.8; 3.4.9; 3.4.10</p> <p>3.4.7; 3.4.10; 3.4.11; 3.4.12</p> <p>3.4.7; 3.4.8; 3.4.9; 3.4.10; 3.4.11; 3.4.12</p>
Zoonoses	<p>Anatomical Pathology I, II</p> <p>Veterinária Public Health</p> <p>Technology of Animal Products</p> <p>Pathology and Clinics of Infectious Diseases I, II</p>	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects</p>	<p>1.1.1; 1.1.9</p>

<p>Parasitology I, II Microbiology II Pathology and Clinics of Parasitic Diseases</p>	<p>1.10 Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine.</p> <p>1.12 Use of professional capabilities to contribute to the advancement of veterinary knowledge and the One Health concept, in order to promote the health, safety and welfare of animals</p> <p>1.25 Recognize signs of possible notifiable, reportable and zoonotic diseases as well as abuse of animals and take appropriate action, including notifying the relevant authorities.</p> <p>1.29 Recommend and evaluate protocols for biosecurity, and apply these principles correctly.</p> <p>1.36 Perform inspection of food and feed to correctly identify conditions affecting the quality and safety of products of animal origin, including related food technology.</p> <p>1.37 Protect public health by identifying conditions that are directly or indirectly related to animals, their products and by-products, when they contribute to the protection, conservation and improvement of human health.</p> <p>1.38 Advise on and implement preventive and eradication programs appropriate to the disease and species, in line with accepted animal health, animal welfare, public health and environmental health standards.</p>	<p>1.1.2; 1.1.3</p> <p>1.1.2; 1.1.6</p> <p>3.1.14; 3.4.1; 3.4.2; 3.4.5</p> <p>1.1.2; 1.1.7; 1.1.8; 3.1.12; 3.4.9</p> <p>3.4.7; 3.4.10; 3.4.11; 3.4.12</p> <p>3.4.7; 3.4.8; 3.4.9; 3.4.10; 3.4.11; 3.4.12</p> <p>3.1.13; 3.4.2</p>	
<p>Food hygiene and environmental health</p>	<p>Plant Biology, Agriculture and Environment Hygiene and Food Safety Veterinary Public Health Toxicology General Technology Technology of Animal Products</p>	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.29 Recommend and evaluate protocols for biosecurity, and apply these principles correctly.</p> <p>1.35 Perform ante-mortem inspection of food-producing animals including paying attention to welfare aspects, systematic gross post-mortem examination, record observations, sample tissues, store and transport them.</p> <p>1.36 Perform inspection of food and feed to correctly identify conditions affecting the quality and safety of products of animal origin, including related food technology.</p>	<p>1.1.1; 1.1.9</p> <p>1.1.2; 1.1.7; 1.1.8; 3.1.12; 3.4.9</p> <p>3.4.7; 3.4.8; 3.4.9; 3.4.10</p> <p>3.4.7; 3.4.10; 3.4.11; 3.4.12</p>

		1.37 Protect public health by identifying conditions that are directly or indirectly related to animals, their products and by-products, when they contribute to the protection, conservation and improvement of human health.	3.4.7; 3.4.8; 3.4.9; 3.4.10; 3.4.11; 3.4.12
Basic food technology	General Technology Technology of Animal Products	<p>1.1 Act in a way that shows understanding of the ethical and legal framework within which veterinarians should work, including professional-, animal welfare-, client-, public health-, societal- and environmental-related aspects.</p> <p>1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognize the contribution of all team members.</p> <p>1.29 Recommend and evaluate protocols for biosecurity, and apply these principles correctly</p> <p>1.36 Perform inspection of food and feed to correctly identify conditions affecting the quality and safety of products of animal origin, including related food technology.</p> <p>1.37 Protect public health by identifying conditions that are directly or indirectly related to animals, their products and by-products, when they contribute to the protection, conservation and improvement of human health.</p>	<p>1.1.1; 1.1.9</p> <p>2.2; 2.4; 2.5</p> <p>1.1.2; 1.1.7; 1.1.8; 3.1.12; 3.4.9</p> <p>3.4.7; 3.4.10; 3.4.11; 3.4.12</p> <p>3.4.7; 3.4.8; 3.4.9; 3.4.10; 3.4.11; 3.4.12</p>