

This teaching module provides the following elements, which are useful for achieving **EAEVE Day One Competences**

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.

The student is aware of the legal, ethical and social responsibilities of the Veterinary profession

1.2 Understand scientific research methods, the contribution of basic and applied research to science and implementation of the 3Rs principle (Replacement, Reduction, Refinement).

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

The student is able to assess the economic sustainability of business related to animal breeding, production and keeping

The student is acquainted to the national and international organization of the Veterinary profession

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.

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.

1.6 Implement principles of effective interpersonal interaction, including communication, leadership, management, team working, mutual respect and other soft skills.

1.8 Work effectively as a member of a multidisciplinary team in the delivery of services and recognise the contribution of all team members.

1.11 Demonstrate ability to critically analyse evidence, cope with incomplete information, deal with contingencies, and adapt knowledge and skills to varied scenarios and contexts.

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.

1.13 Demonstrate the ability to recognise personal and professional limits, and know how to seek professional advice, assistance and support when necessary.

1.16 Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment.

The student correctly writes the medical history findings using the appropriate Veterinary Medical terminology.

The student is able to transform the owner's description in a brief and accurate way for a quick clinical history reading

The student introduces himself/herself properly to the owner

The student obtains a medical history in a structured way, taking into account the main questions: what?, since or when?, whether improved or worsened?, other animals affected? and information on feeding, deworming, vaccination and reproduction status

The student correctly writes the medical history findings using the appropriate Veterinary Medical terminology.

The student is able to transform the owner's description in a brief and accurate way for a quick clinical history reading

The student correctly investigates reproductive performance in a bovine herd

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.

The student is able to upload and analyse data to obtain an overall farm score of animal welfare, in view to generate recommendations and advices for farmers (ruminants)

The student correctly manages genetic evaluation of candidates for productive, functional, and health traits (selection indexes in ruminants)

The student correctly manages genetic evaluation of candidates for productive, functional, and health traits (selection indexes in swine)

The student correctly evaluates mating schemes (swine)

The students is able to outline a checklist to analyze critical points in a farm (all production animals)

1.22 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.

The student is able to collect (at least) blood and milk samples in cows

The student is able to collect (at least) blood and milk samples in small ruminants

The student is able to perform standard laboratory tests in cows, including somatic cell count in milk, and to interpret the results (Biochemical ProfileMid-infrared spectroscopy)

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.

The student demonstrates knowledge on basic pathological processes of diseases, organs and tissues

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The student correctly performs the pathological diagnosis of diseases in production animals (genic and genetic mutation)

The student is able to identify and manage correctly the electronic procedure of identification of animals

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.

The student is able to assess the correct application for a traceability procedure (genetic traceability)

1.38 Advise on and implement preventive and eradication programmes appropriate to the disease and species, in line with accepted animal health, animal welfare, public health and environmental health standards.

The student knows how animal genetics can be used as a tool to improve animal health in livestock