

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

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| 1.7 | Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to the relevant audiences. |
| 1.10 | Understand and apply principles of One Health to ensure veterinary Good Clinical Practice, and research-based and evidence-based veterinary medicine. |
| 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. |
| 1.16 | Obtain an accurate and relevant history of the individual animal or animal group, and its/their husbandry and environment. |
| | The student correctly investigates reproductive performance in a bovine herd
The student correctly investigates reproductive performance in a pig herd |
| 1.17 | Handle and restrain animal patients safely and with respect of the animal and instruct others in helping the veterinarian to perform these techniques. |
| | The student shows confidence and safely approaches to a cow
The student shows confidence and safety approaches to a calf
The student shows confidence and safely approaches to a swine
The student handles and holds cows with confidence and in a safe manner
The student handles and holds calves with confidence and in a safe manner |
| 1.19 | Develop appropriate treatment plans and administer treatment in the interest of the animal under their care with regard to the resources available and to appropriate public health and environmental considerations. |
| | The student correctly performs an intravenous injection in a ruminant |
| 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 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 interpret the results of the following laboratory tests: bacterioscopy and cultural exam, PCR, antibiotic sensitivity test and serology (e.g. RBT, ELISA)
The student is able to look for the appropriate national or European legislation norms for selection and interpretation of diagnostic tests aimed to the control of an infectious disease at farm level, region or country |
| 1.25 | Recognise signs of possible notifiable, reportable and zoonotic diseases as well as abuse of animals and take appropriate action, including notifying the relevant authorities. |
| | The student is able to recognize suspicious signs of possible notifiable, reportable and zoonotic diseases
The student knows the procedures to be applied after the diagnosis of diseases of mandatory reportable and zoonotic statement to the Italian and European legislation |
| 1.29 | Recommend and evaluate protocols for biosafety and biosecurity, and apply these principles correctly. |
| | The student evaluates protocols for biosecurity in ruminant farms, and apply these principles correctly
The student evaluates protocols for biosecurity in pig farms, and apply these principles correctly |

1.37	<p>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>The student is able to collect information on current and past epidemiological and health status of a group of animals to design an appropriate preventative program</p> <p>The student is able to interpret a risk pathway to infer on the risk of introduction and persistence of major infectious disease agents into a previously free animal group</p>
1.38	<p>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.</p>
	<p>The student is acquainted with the ordinary vaccination schemes of cattle and small ruminants</p> <p>The student is acquainted with the ordinary vaccination schemes of swine</p> <p>The student is acquainted with the preventive and eradication programmes appropriate to the disease and species, in line with accepted animal health, animal welfare, public health and environmental health standards</p> <p>The student is able to implement appropriate surveillance of diseases and routine monitoring of animal populations to identify the presence of infectious pathogens</p>