

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

**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 performs clinical examination procedures using appropriate safety standards for the animal, himself and others

**1.18 Perform a complete clinical examination and demonstrate ability in clinical decision-making.**

The student locates the cervix and passes the cervix with an insemination gun on excised genital tracts and/or on a phantom (bovine)

The student can describe the artificial insemination technique, and set all tools necessary to perform it (bovine)

The student recognizes the main/primary signs of estrous behavior in a cow

The student identifies cervix, uterine horns and the ovaries by trans-rectal palpation (bovine )

The student describes the correct use of estrous synchronization protocols (bovine)

The student is able to correctly manage semen for artificial insemination

The student knows how to identify the signs of estrus in a sow

The student knows how to perform the artificial insemination in a sow

The student recognizes the main signs of estrous behaviour in a mare

The student recognizes the phase of the cycle

**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 correctly manage semen for artificial insemination