**Gynecology of farm and pet animals (A) (THG. 424)**

**Overall aims of the Course:**

* Understanding the anatomy and physiology of the female genital system, estrous cycle and heat detection, physiology of fertilization, embryo transfer and pregnancy diagnosis and control of infertility in farm and pet animals. Reproductive herd health program.
* Evaluate the fertility of the animals.
* \*Methods of diagnosis of pregnancy in farm and pet animals.
* \*Treatment and control of infertility.
* \*Implementing herd health program

**Course contents:**

* Anatomy of the female genital organs
* Anatomy of the female reproductive organs
* Endocrinology of the reproductive cycle in bitch and queen
* Estrus cycle in farm animals.
* Estrous detection and synchronization.
* Scheme for gynecological examination.
* Estrous cycle of the bitch and queen
* Vaginal cytology
* Endocrinology of reproduction and ovulation in farm animals.
* Pregnancy diagnosis in the cow
* Pregnancy diagnosis in the mare
* Canine and feline infertility
* Congenital causes of infertility in farm animals.
* Hormonal causes of infertility in farm animals.
* Pathological causes of infertility in farm animals.
* Environmental causes of infertility.
* Repeat breeder cows.
* Infertility in mare
* Infertility in ewes
* Infertility in goats