

SYLLABUS

Teaching course : Obstetrics-Gynecology and Andrology in Livestock (2 CFU; 24 hrs: 15 academics and 9 [x4] practicals)			
Course objectives: aims of the course is to provide the student with the knowledges of diagnosis and treatment in livestock theriogenology (both in male and female), either as individual or as herd pathology. Analysis of records for assessment of reproductive performance is part of the course.			
Frontal lessons			
Knowledges and skills	Topics	Specific contents	Hours
Acquisition of the ability to perform a breeding soundness evaluation in the female	Reproductive efficiency	Clinical and collateral evaluations of female reproductive efficiency – criteria for the evaluation of female fertility – herd fertility	1
Acquisition of knowledges on embryo-fetal development in relationship to pregnancy diseases	<i>Embryo-foetal development</i>	Early and late embryonic stage – early and late fetal stage in relationship to pregnancy losses	1
Acquisition of knowledges about methods for pregnancy diagnosis and gestational age determination, obstetric examination and care of parturition	Physiology of pregnancy, pregnancy diagnosis, obstetric terminology and obstetric examination	Length of gestation – associated and specific pregnancy proteins – clinical, instrumental and laboratory pregnancy diagnosis – number of fetus – twins. Presentation, position and posture during pregnancy and parturition – obstetric examination.	2
Stage of labour, induction of parturition, puerperium	Normal parturition and puerperium	Initiation of parturition– induction of parturition – puerperium: uterine involution, resumption of ovarian cyclicity, elimination of bacterial contamination, endometrial regeneration	1
Acquisition of knowledges about diagnosis and treatment of pregnancy's pathologies	Pathology of pregnancy	Abnormalities of fetal fluids and membrane – disorders of pregnancy of fetal and maternal origin – disorders of gestation length – DIAGNOSIS AND TREATMENT	1
Acquisition of knowledges on diagnosis and treatment of dystocya – caesarean section	Pathology of parturition	Obstetric equipments and obstetric manipulations – fetal and maternal dystocia: causes and treatment – diseases incidental to parturition – DIAGNOSIS AND TREATMENT	2
Acquisition of knowledges on diagnosis and treatment of puerperal diseases	Pathology of puerperium	Uterine inertia – postpartum uterine prolapse – retention of fetal membranes– bacterial (metritis and endometritis) and metabolic diseases of the postpartum - Ovarian pathologies -DIAGNOSIS AND TREATMENT	2
Acquisition of the ability to perform a breeding soundness evaluation in the male	Reproductive efficiency	Clinical and collateral evaluations of male reproductive efficiency – criteria for the evaluation of male fertility	1
Acquisition of knowledges on diseases of reproductive function in livestock	Reproductive function	Abnormalities of sexual behaviour – diseases of erection, mating ability and ejaculation in livestock: DIAGNOSIS AND TREATMENT	1
Acquisition of knowledges on diseases of external genital organs in livestock	Diseases of external genital organs	Diseases of penis, prepuce, testes, scrotum – testicular thermoregulation and “ summer infertility” in livestock: DIAGNOSIS AND TREATMENT	2
Acquisition of knowledges on diseases of internal genital organs in livestock	Diseases of internal genital organs	Diseases of the accessory genital organs: DIAGNOSIS AND TREATMENT	1

PRACTICAL LESSONS			
Acquired skills	Topics	Specific contents	Hours
-	-	Clinical, instrumental and laboratory diagnosis in livestock	2
-	-	Obstetric equipments: description and use	2
		Treatment of dystocia	2
-	-	Restraint and sedation for operative intervention in gynecologic and andrologic clinic –	1
-	-	Ultrasonography in andrologic clinic in livestock	2