

## Veterinary Orthopaedic (2 CFU; Hours: 15 lecture and lab 9)

Course Objectives: Knowledge of most common orthopedic diseases, clinical application of the diagnostic evaluation and surgical techniques; at the end of the course the student is able to recognize and dysplastic and traumatic orthopedic disorders, and perform a therapeutic planning.

### Lessons

Topics and skills acquired	Topics	Specific Contents	Hours
<b>1. ORTHOPAEDIC (TOT. 3 HOURS)</b> [acquisition of: a) ability to perform a correct visit orthopedic b) the ability to identify major orthopedic diseases]	<b>Orthopedic examination and lameness</b>	Performing an orthopedic examination of forelimb and pelvic limb (distant observation, gait, standing palpation, diagnostic tools) Recognizing and clinical significance of landmarks orthopedic	2
	<b>Lameness</b>	Lameness evaluation (video)	1
<b>2. TRAUMATIC AND DEVELOPMENTAL DISEASES (TOT. 12 HOURS)</b> [acquisition of: a) identify the main joint traumatic and congenital diseases b) the ability to recognize and resolve the fractures on the basis of biomechanical evaluations c) the ability to define the possible corrective surgery]	<b>Fractures</b>	Fractures: classification, reduction of fractures, and fixation.	1
		Intramedullary pins	1
		Cerclage wire, tension band wire	1
		Bone screws, bone plates, external fixation	2
	<b>Joint diseases</b>	The shoulder and elbow joints: diagnosis and surgical treatments	2
		The hip joint diseases: diagnosis and treatments	2
		The stifle joint: patellar luxation, diagnosis and surgical treatments	2
		The stifle joint: rupture of the cranial cruciate ligament, diagnosis and surgical treatments	1

### Labs

Topics and skills acquired	Topics	Specific Contents	Hours
<b>3. ABILITY TO PERFORM, DEDUCE AND RECOGNISE (TOT. 9 HOURS)</b> [acquisition: ability to assess a orthopedic pathology and perform various therapeutic applications]	<b>Activities: orthopedic examination</b>	Performing the orthopedic examination in dog (distant observation, gait, standing palpation)	2
		Application of orthopedic implants on bone models	2
		Performing a bandage in dog	2
		Radiographic measurements for hip dysplasia, patellar luxation and planning of surgical procedures.	2
		Interactive discussion Surgical Orthopedic	1