Course: Equine Internal Medicine and Therapy (2 CFU: 51 hours: lectures: 15 hours: Practical activities 8 [x4] 32 hours + +2[x2]						
Learning outcomes: The course is aimed at providing the students the knowledge and skills to appropriately accomplish clinical procedures and clinicopathological methods and to critically elaborate the obtained information for carrying out an accurate diagnosis or a complete differential list of diagnosis of horse disease susceptible of medical treatment. Additionally, the students will be able to choose an effective treatment for the diagnosed disorders.						
Lectures						
Themes and learning outcomes	Topics	Specific contents	hours			
Course presentation		The introduction is aimed at illustrating the learning objective, the organization, and the assessment methods. Also, the problem- oriented approach will be summed up	1			
<ol> <li>PROBLEM-ORIENTED APPROACH OF THE MOST COMMON COMPLAINTS IN HORSES (11&amp;1/2 HOURS)</li> <li>Gaining of:         <ul> <li>(a) Knowledge of how to approach the most common presenting problems including the the differential diagnosis and diagnostic workup b) Knowledge of the treatments with evidence- based support for the most common diseases of equids</li> </ul> </li> </ol>	Respiratory system	Clinical case of severe asthma and malabsorption Clinical case of cough and poor performance. The therapy of severe asthma. The therapy of malabsorption	2			
	Cardiovascular system	Clinical case of poor performance and arrhythmia Approach to arrhythmias in horse L'EOP Approach to heart murmurs in horse.	2			
	Hematopoietic system	Clinical case of piroplasmosis and anaplasmosis Caso clinico di piroplasmosi e anaplasmosi Hematologic disorders of horse Approach to anaemias in horse CBC and acute phase proteins interpretation in horses	2			
	Endocrine system	Clinical case of equine Cushing's Differential diagnosis of pu/pd Metabolic syndrome in horse	1			
	Nervous system	Clinical case of encephalomyelitis due to Herpevirus infection Gait abnormalities in horses; differential diagnosis	1			
	Muscular system	Clinical case of tying up syndrome Differential diagnosis of myopathies	1/2			

se of antibiotic induced acute is. chronic enteropathies in horses tion syndromes of enterocolitis uidotherapy ntibiotic therapy and AMR	2					
se of tetanus ns in equine preventive medicine. chemes for racehorses competing E and jockey club races.	1					
and innovative approaches in the ent of anthelmintic treatments	1/2					
se of Overo White Lethal syndrome. reditary diseases	1					
Practicals						
pecific contents	hours					
Methods for the identification of equidae (Equine Passport Regulation). Food-producing animals and non-food producing animals. Legislation in force on the veterinary prescription and use. The electronic prescription and the National Informative system. Problem solving: Practicals in small groups. Groups are challenged with simulated real settings. The groups are						
	s. chronic enteropathies in horses ion syndromes of enterocolitis idotherapy ntibiotic therapy and AMR ie of tetanus is in equine preventive medicine. chemes for racehorses competing and jockey club races. and innovative approaches in the ent of anthelmintic treatments ie of Overo White Lethal syndrome. reditary diseases pecific contents tification of equidae (Equine ). Food-producing animals and animals. Legislation in force on the on and use. The electronic National Informative system. acticals in small groups. Groups are lated real settings. The groups are lated real settings. The groups are					

situation by choosing the correct medicinal product, and

by issuing a prescription and use and record keeping by

The practical training sessions are carried out in small

groups. Students are required to get close to restraint

and to carry out a physical examination in different

horses. Finally, all students together attend the

2

means of the electronic prescription.

procedures to collect BALF in a horse.

concerning

prescription and use

medicinal products in equids.

a) to be able to restraint and

perform the phisical

examination in horse

C) duties

Gaining of

the

of

Respiratory system

Physical

examination

b) To be able to interpret the signs and to build up a correct differential diagnosis	Cardiovascular system Physical examination	The practical training sessions are carried out in small groups. Students are required to get close to restraint and to carry out a physical examination in different horses and to carry out an ECG examination in a horse.	2
<b>Gaining of</b> a) Knowledge of the procedures of clinical pathology b) To be able to carry out clinical pathology procedures c) To be able to interpret the findings of clinical pathology procedures	Laboratory of clinical pathology: cytology of BALF and transusion crossmatching	Hands-on work carried out in teaching laboratories. The tasks are carried out in small groups. BALF collected form cases visited during the previous practical lessons were used to prepare unstained smears in advance. Unstained smears are stained by students and examined. Interpretative protocols are provided, and students are requested to apply the interpretative protocols. Transfusion medicine: blood samples are used to carry out crossmatching.	2
	AUDIOLAB laboratory	This activity is carried out in the Clinical Skill Lab. Basically, many heart and respiratory sounds track recorded in field either normal or pathological are listened and commented under the supervision of the teacher.	2