

Course: 07870 – Parasitic Diseases - 4 credits
(Includend in integrated course: Transmittable diseases and Epidemiology (C.I.))
(48 hours: 40 frontal lessons and 8 practical lessons/student). Teacher: Roberta Galuppi

Educational objectives of the course: At the end of the module the student knows the epidemiology, symptomatology, diagnosis and prophylaxis of the main parasitic diseases of domestic animals, is able to correctly approach the management of a parasitosis, both by applying the basic diagnostic tools and by correctly assessing the consequences of the host / parasite / environment relationship in order to control and prevent the pathological phenomenon and its socio-economic consequences.”.

Frontal Lessons -

Course contents and skills/objectives	Topics	Specific contents	Hours
1 THE STUDENT KNOWS THE CONCEPTS OF EPIDEMIOLOGY AND THE SOCIO-ECONOMIC ASPECTS OF PARASITIC DISEASES	Introduction to the course; approach to the study, management and control of parasitic diseases	Presentation of the course. Differences and sharing with the Parasitology course. Detailed illustration of the program of the course and the assessment methods. Importance, concepts of epidemiology and socioeconomic aspects of parasitic diseases,	3
2 THE STUDENT KNOWS THE BASIC ASPECTS OF THE MAIN ZONOSIS OF PARASITIC ORIGIN.	Main parasitic zoonoses	Toxoplasmosis	9
		Leishmaniosis	
		Cystic echinococosis	
		Trichinellosis	
		Cysticercosis	
2 - THE STUDENT KNOW THE APPROACH TO THE MOST COMMON PARASITIC DISEASES OF DOMESTIC ANIMALS	Main parasitic diseases of ruminants	Parasitoses of the gastrointestinal tract	8
		Parasitoses of the respiratory system	
		Parasitoses involving the circulatory system	
		Parasitoses involving the reproductive sphere	
		Parasitoses of the integumentary system	
	Main parasitic diseases of swine	Parasitoses of the gastrointestinal tract	5
		Parasitoses of the respiratory system	
		Parasitoses of the integumentary system	

	Main parasitic diseases of equids	Parasitoses of the gastrointestinal tract	5
		Parasitoses involving the circulatory system	
		Parasitoses involving the reproductive sphere	
		Parasitoses of the integumentary system	
	Main parasitic diseases of dogs and cats	Parasitoses of the gastrointestinal tract	8
		Parasitoses of the respiratory system	
		Parasitoses involving the circulatory system	
		Parasitoses of the integumentary system	
	Main parasitic diseases of rabbits	Parasitoses of the gastrointestinal tract	2
		Parasitoses of the integumentary system	

Practical lessons

Following the COVID 19 emergency, the practical lessons may undergo changes in accordance with the epidemiological situation

Course contents and skills/objectives	Topics	Specific contents	hours
The student acquires: a) ability to observe the main health characteristics of the farms; b) ability to deduce the main health problems; c) ability to choose and perform the samples necessary for the diagnosis of parasitic diseases	Educational travels on farms	Educational travels on the farm (one cattle and one pigs farm, in association with the course of Infectious Diseases of livestock held by Prof. Ostanello) which will allow to assess, directly in the field, the influence of the managerial aspects on the presence of parasites and, possibly, to carry out a direct approach on the animal for sampling feces, and skin scrapings for diagnostic purposes	2 (x4)
The student acquires specific manual skills on the techniques for the isolation and recognition of parasites, for the purpose of diagnosing parasitic diseases	Practical training in groups concerning laboratory and <i>post mortem</i> diagnosis	- Laboratory activities: parasitological analysis on organs collected from public slaughterhouses and parasitological analysis of fecal samples according to enrichment methods.	4 (x4)
The student acquires analytical skills on parasitic diseases and zoonoses	Group discussion on aspects of parasitic diseases	- interactive activities using the kahoot system and working groups on topics related to parasitic diseases	2 (x4)