Infectious Diseases of Companion Animals
(3 CFU; 36 hours: 30 frontal lecture; 6 practical lecture)

Goals of course: The aims of this teaching course is to provide essential information on the major infectious disease of cats and dogs. To the end of the course the student acquires the essential for the diagnosis and the control of infectious diseases of companion animals.

Frontal Lessons

Learning outcomes	Topics	Specific contents	Hours
Introduction of the course		Presentation of the course and explanation on the organization of the practical part. Presentation of the procedures concerning the student evaluation during the examination.	1
1. *CANINE INFECTIOUS DISEASES (TOT 12 HOURS)* ***Acquisition of:*** *a) Knowledge of clinical signs and symptoms of each disease treated;* *c) Ability to formulate and discuss, from the clinical signs, a list of differential diagnoses and suggest methods of laboratory diagnosis with which to reach the final diagnosis* *d) Knowledge of the guidelines for laboratory diagnosis;* *e) Knowledge of measures to prevent and control the infectious diseases and the ability to apply them in practice;*	Canine Parvovirosis	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	3
	Canine Dispemper	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	3
	Leptospirosis	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	3
	Infectious Canine Hepatitis	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	1
	Anaplasmosis and erlichiosis	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	2
2. FELINE INFECTIOUS DISEASES (TOT 17 HOURS) ***Acquisition of:*** *a) Knowledge of clinical signs and symptoms of each disease treated;* *c) Ability to formulate and discuss, from the clinical signs, a list of differential diagnoses and suggest methods of laboratory diagnosis with which to reach the final diagnosis*	Feline Panleukopenia	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	2
	Feline Infectious Peritonitis	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	5

d) Knowledge of the guidelines for laboratory diagnosis; *e) Knowledge of measures to prevent and control the infectious diseases and the ability to apply them in practice;* *f) Knowledge of antiviral therapies*			
	Feline Leukemia	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	**4**
	Feline Immunodeficiency	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control.	**3**
	Feline Upper Respiratory Tract Diseases	Etiology, epidemiology pathogenesis, clinical signs, anatomo-pathological lesions, diagnosis and control of Feline Herpesvirus, Feline Calicivirus and *Chlamydophila Felis* infections.	**2**
Vaccination guidelines for puppies and kittens			**1**

Practical activities

Learning outcomes	Topics	Specific contents	Hours
Acquisition of: *a) knowledge of the guidelines for laboratory diagnosis;* *b) correct approach for the implementation of the control measures to prevent transmission of infectious diseases in the multi-environment animal facilities;*	Problem solving: clinical case discussion of canine patients	Practical lectures carried out by groups of student with clinical cases discussion of canine patients, under the supervision of a tutor ("problem solving" approach). Emphasis on collection and conservation of biological samples and implementation of a protocol laboratory diagnosis will done. They will also done simulation of prophylaxis plans to prevent the transmission of infectious diseases in the multi-environment canine facilities.	3
	Problem solving: clinical case discussion of feline patients	Practical lectures carried out by groups of student with clinical cases discussion of feline patients, under the supervision of a tutor ("problem solving" approach). Emphasis on collection and conservation of biological samples and implementation of a protocol laboratory diagnosis will done. They will also done simulation of prophylaxis plans to prevent the transmission of infectious diseases in the multi-environment feline facilities.	3