

General information	
Academic subject	PROPHYLAXIS OF INFECTIOUS DISEASES OF COMPANION ANIMALS (integrated exam of PROPHYLAXIS OF INFECTIOUS AND PARASITIC DISEASES OF COMPANION ANIMALS)
Degree course	Animal Science
Academic Year	2022/23 – III year
European Credit Transfer and Accumulation System (ECTS)	3
Language	Italian
Academic calendar (starting and ending date)	II semester
Attendance	Mandatory

Professor/ Lecturer	
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Virtual headquarters	Code Teams: pj9711q
Tutoring (time and day)	Tuesday, Thursday: 1:30-4:30. p.m. Reservation by email is preferable

Syllabus	
Learning Objectives	The main objective is to provide students with the tools and ways to prevent infectious diseases. The most common infectious diseases of dogs and cats will be treated. Farm hygiene and interventions to contain the environmental microbial load below pathogenic values will be treated.
Course prerequisites	The student must have acquired the basic knowledge related to the prophylaxis of infectious diseases (applied microbiology and immunology; Biosecurity and health management; Parasitology, Mycology and Management of synanthropic animals).
Contents	<ol style="list-style-type: none"> 1. Environmental hygiene: <ul style="list-style-type: none"> • The atmosphere, air pollution, water, waste. 2. Hygiene of dog and cat farms: <ul style="list-style-type: none"> • Cleaning, disinfection and sterilization practices; Requirements for shelter structures, construction characteristics of kennels and catteries. 3. Ministry of Health and Directorate General for Animal Health and Veterinary Medicines. 4. Prophylaxis of Infectious Diseases: <ul style="list-style-type: none"> • Etiological agents of the most important infectious diseases of dogs and cats; Symptoms of the main infections in dogs and cats; Immunoprophylaxis; Core and non-core pet vaccinations; COVID-19 prophylaxis in animals used for pet therapy; COVID-19 prophylaxis in owner and kennel resident dogs and cats.
Books and bibliography	<ul style="list-style-type: none"> • Marinelli P et al. Igiene medicina Preventiva e Sanità Pubblica, ed. Piccin. • Poli-Cocilovo, Microbiologia ed immunologia veterinaria, UTET. • Notes of the lessons.
Additional materials	

Work schedule	

Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
75	20	25	30
ECTS			
3	2	1	
Teaching strategy			
	Lectures are held in classrooms with multimedia tools for power point presentations and possibly videos and links on websites. The practical exercises are done in the laboratories of the Infectious Diseases section of the Department and include excursions to farms, veterinary clinics and affiliated kennels. Depending on the situation, students will be divided into groups of 5 to 15 followed by the head of teaching and possibly supported by the help of collaborators.		
Expected learning outcomes			
Knowledge and understanding on:	<ul style="list-style-type: none"> ○ Learn and evaluate the quality of environmental hygiene and farms; ○ Recognize and evaluate risk factors related to hygiene; ○ Learn the vaccination plans related to infectious diseases of small animals; ○ Learn the spreading routes of infectious diseases. 		
Applying knowledge and understanding on:	<ul style="list-style-type: none"> ○ Ability to apply vaccination plans under the supervision of the veterinarian ○ Ability to apply hygiene calendars in farms and kennels / catteries under the supervision of the veterinarian; ○ Ability to apply the correct use of the main disinfectants; ○ Ability to apply knowledge on the correct use of the main instruments suitable for sterilization; ○ Ability to apply knowledge for the correct approach to animals in order to avoid the spread of infectious diseases 		
Soft skills	<ul style="list-style-type: none"> ● <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> ○ Ability to analyze hygienic-sanitary criticalities in breeding farms, catteries / kennels; ○ Ability to apply knowledge to avoid the spread of infectious diseases; ○ Ability to interact with the veterinarian during the work phases. ○ Acquire the appropriate preparation for any emergencies. ○ Ability to independently investigate the topics of study ○ Ability to use concepts and data critically ○ Ability to propose solutions in problematic situations ● <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ Ability to adopt the technical-scientific language to adequately communicate experimental results ○ Ability to work in a team, adopting adequate communication and interaction strategies ● <i>Capacities to continue learning o ability to understand and critically evaluate scientific literature</i> 		
Assessment and feedback			
Methods of assessment	The verification of the results achieved by the student will be conducted: - during the course, through flip teaching sessions in which the student's autonomy and ability to correctly express concepts will be assessed - at the end of the course, through theoretical and practical questions that will ensure knowledge and understanding of the treated topics		
Evaluation criteria	● <i>Knowledge and understanding</i>		



	<ul style="list-style-type: none">○ Ability to express the knowledge acquired.● <i>Applying knowledge and understanding</i><ul style="list-style-type: none">○ Ability to perform cross-links between different disciplines with appropriate examples.● <i>Autonomy of judgment</i><ul style="list-style-type: none">○ Ability to analyse, synthesize and evaluate.● <i>Communicating knowledge and understanding</i><ul style="list-style-type: none">○ Exposing capacity and clarity;● <i>Communication skills</i><ul style="list-style-type: none">○ Ability to use specialized terminology.● <i>Capacities to continue learning</i><ul style="list-style-type: none">○ Ability to re-elaborate knowledge and transfer it into new and different situations.
Criteria for assessment and attribution of the final mark	The assessment of the knowledge acquired in the course takes place through an oral interview in which the student must demonstrate the acquisition of knowledge of the treated topics by means of appropriate technical-scientific terminology
Additional information	