



General information		
Academic subject	Pathologica	l anatomy 2
Degree course	Veterinary N	Vedicine
Academic Year	2021/2022	
European Credit Transfer	and Accumulation Sys	stem (ECTS) 4
Language	Italian	
Academic calendar (starti	ng and ending date)	IV Bimester
Attendance	Mandatory	

Professor/ Lecturer	
Name and Surname	Nicola Zizzo
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Telephone	080/5443931
Department and address	Veterinary Medicine Campus – Valenzano (BA)
Virtual headquarters	Code team b0nj9a8
Tutoring (time and day)	Monday 14.30-16.30 Tuesday 14.30-16-30 Thursday 14.30-16.30 Friday 10.30-12.30

Syllabus	
Learning Objectives	The course aims to:
	1. Provide the student knowledge on the anatom-histopathological alterations of the
	different organs
	2. Provide the recognition of macroscopic and microscopic anatom-histopathologica
	lesions of the treated devices
	3. Use an accurate and appropriate terminology.
	4. Understand the cause of organ lesions, correlating them with their pathogenesis and the most common diseases in pets
	5. Learn the methods of withdrawal of organ samples for histopathological
	examinations and bacteriological, parasitologic, virological, toxicological and
	serological side researches.
	6. Enhancing the importance of matter within the degree course in veterinary
	medicine.
	7. Acquire learning capacity, adaptation, analysis, synthesis and planning in order to
	apply the knowledge acquired to the practical problem solving.
	8. Be able to work independently and in multidisciplinary teams to promote the use
	of existing sources of information.
	9. Getting closer to the realities of the profession and enhance the interdisciplinary
	vision of the problems that will face.
Course prerequisites	Knowledge of the contents of Parasitology Infectious diseases 1 Infectious diseases
	2. for understanding the concepts of teaching Pathological Anatomy
Contents	Gastrointestinal system
	Lesson 1: Post-mortal and ontogenetic alterations, metabolic alterations, circulatory
	alterations, Lesson 2: inflammatory processes, parasitic lesions, neoplasms.
	Urinary system
	Lesson 1: Post-mortal and ontogenetic alterations, metabolic alterations, circulatory
	alterations, Lesson 2: inflammatory processes, parasitic lesions, neoplasms.
	Male reproductive system
	Lesson 1: Post-mortal and ontogenetic alterations, metabolic alterations, circulatory
	alterations, Lesson 2: inflammatory processes, parasitic lesions, neoplasms.





	Female Genital System Lesson 1: Post-mortal and ontogenetic alterations, metabolic alterations, circulatory alterations, Lesson 2: inflammatory processes, parasitic lesions, neoplasms. Nervous system Lesson 1: Circulation and traumatic alterations; Degenerations, Lesson 2: Encephalitis, Neoplasms
Books and bibliography	 P.S. Marcato: Patologia sistematica veterinaria. Edagricole, Milano 2015. M.D. McGavin, J.F. Zachary: Systematic veterinary pathology. Elsevier,2010 Guarda F., Mandelli G.: Trattato di anatomia patologica veterinaria, IV Edizione.UTET
Additional materials	Color Atlas of Veterinary Pathology-General morphological reactions of organs and tissues.II Edition Van Dijk. J. E.; Gruys, E.; & Mouwen, J.

Work schedule				
Total	Lectures		Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours				
100	39		25(repeated exercises in shifts of 12 students each)	36
ECTS				
4	3		1	
Teaching strategy		both theo (powerpo practicall sanitary a exercises Compara located ir slaughter At the en of the les groups. S or by stud assessme tutorials, the oppo	ns will take place in the fourth two-month period (Ma pretically with the active involvement of the student, t pint slides) and audiovisual means that show the lesion y, under the supervision of the teacher, after having p and biosecurity measures, dividing the students into sr will be carried out: in the histopathology laboratories tive Pathology and Oncology for the microscopic part; a the Vinci Pavilion for the macroscopic part using orga house or from autopsies carried out in the previous da d of the exercises, each individual student will present ions found and collectively they will compare themsel eminars on specific topics will be provided with intern dents under the supervision of the course teacher, as y nt tests during the course.All activities carried out by seminars, etc.) will have the teacher as a guide. The trunity to attend, through Microsoft Teams or similar that will be carried out in the necropsy room.	hrough multimedia as under study. It is ut in place the nall groups. The of the section of in the necropsy room ans seized from the ays. a pathological report ves with the other al / external teachers well as self- students (study, student will also have
Expected learning	g outcomes	practical pathogen systems t Furtherm slaughter infectious They wil	d of the course, students will have acquired both from point of view the skills to identify the possible causes of esis, describe and diagnose the pathological lesions at reated in the course, using accurate terminology and ore, the students will be able to identify the lesions m ed animals in the organs, with particular attention to a diseases affecting pets and livestock. I also acquire capabilities: and summary of the pathologies found	of lesions, their fecting the various appropriate. ost easily found in

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	 of reasoning and argumentation
	• to work independently and in a team.
	 to solve problems through the integrated application of their knowledge
	• to disclose the information acquired
Knowledge and understanding	 The student will have the knowledge and ability to:
on:	 o understanding of the etiology and pathogenesis of organ injuries.
511.	 o recognize anatomical-histopathological organ lesions by associating
	them with the cause of the disease.
	 o carry out anatomo-histopathological diagnosis and elaboration of the
	diagnostic report
Applying knowledge and	 or necropsy techniques
understanding on:	 or to food inspection
	 or to clinics
Soft skills	Autonomy of judgment
	At the end of the course, the student must be able to
	\circ have the ability to learn, adapt, analyze, synthesize and plan work
	\circ or to apply the knowledge acquired
	 o describe the anatomo-histopathological lesions found
	 or to make anatomo-histopathological diagnosis
	Communication skills
	• At the end of the course, the student must be able to
	 Have the ability to reason, argue and present in a clear and coherent way the topics of anatomy-histopathology
	Ability to learn independently
	At the end of the course, the student must be able to
	 Consult texts and publications and extrapolate the contents necessary to address the topic of interest.

Assessment and feedback	
Methods of assessment	
Evaluation criteria	Knowledge and understanding
	o xxxx
	Applying knowledge and understanding
	o xxxxx
	Autonomy of judgment
	o XXXX
	Communicating knowledge and understanding
	o XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	Communication skills
	o xxxxxxxxxxxxxxx
	Capacities to continue learning





Criteria for assessment and attribution of the final mark The practical test focuses on the macroscopic and microscopic recognition of t subjected organ, the determination of the species and the lesion present in it. T description must be made respecting the modalities reported during the course in clear and as detailed way as possible. The verification of an insufficient level do not allow you to take the next stage of the exam. The oral exam will focus on t various topics of the systems dealt with in class. The final evaluation will be out thirty; the exam will be considered passed if the grade is greater than or equal to 1 It will be possible to attribute honors to the student who proves to have particul skills, refined exposure and completeness in dealing with the required topics T assessment of knowledge takes place through a preliminary practical test in t autopsy room completed by an oral test. The practical test focuses on the macroscopic and microscopic recognition of t subjected organ, the determination of the species and the lesion present in it. T description must be made respecting the modalities reported during the course ir clear and as detailed way as possible. The verification of an insufficient level do not allow you to take the next stage of the exam. The oral exam will focus on t various topics of the systems covered in class. The final evaluation will be out thirty; the exam will be considered passed if the grade is greater than or equal to 1 It will be possible to attribute honors to the student who demonstrates that he she has particular skills, a refined exposure and completeness in dealing with t required topics. The final grade is the weighted average of the marks out of thirty obtained in t tests of "Pathological Anatomy 2-3" and necropsy technique
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Additional information