



Information about the subject

Degree: Bachelor of Science Degree in Veterinary Medicine

Faculty: Faculty of Veterinary Medicine and Experimental Sciences

Code: 1260303 **Name:** Pet Clinic

Credits: 6,00 **ECTS Year:** 3 **Semester:** 2

Module: Module of Clinical Sciences and Animal Health

Subject Matter: Clinical Sciences and Animal Health **Type:** Compulsory

Department: -

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

Module of Clinical Sciences and Animal Health

Subject Matter	ECTS	Subject	ECTS	Year/semester
Alterations in Structure and Function, and Fundamentals of Diagnosis	36,00	Clinical diagnostic techniques I (Clinical Propedeutics)	6,00	3/1
		Clinical Diagnostic Techniques II (Imaging Diagnosis)	6,00	3/1
		Histopathology and General Pathological Anatomy	6,00	2/1
		Physiopathology and general integrated Pathology I	6,00	2/1
		Physiopathology and general integrated Pathology II	6,00	2/2
		Special pathological anatomy	6,00	2/2
Pharmacology and Therapeutics	12,00	Pharmacology and Toxicology	6,00	3/1
		Pharmacotherapy, preventive medicine and veterinary hygiene	6,00	5/1
Clinical Sciences and Animal Health	60,00	Clinic and health in equines	6,00	3/2
		Clinic and health in water animals	6,00	5/1
		Clinic and health in wild and exotic animals	6,00	3/2



Clinical Sciences and Animal Health	Clinic and health on the farm I	6,00	4/1
	Clinic and health on the farm II	6,00	4/2
	Epidemiology	6,00	3/1
	Pet Clinic	6,00	3/2
	Reproduction and Obstetrics	6,00	3/1
	Veterinary Surgery I	6,00	3/2
	Veterinary Surgery II	6,00	4/1

Recommended knowledge

Previous requirements: To have basic knowledge of Anatomy, Physiology, Pathophysiology, Pharmacology, Clinical Diagnosis I and II.



Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 The student is able to solve problems related to the contents of the module.
- R2 Defending their work or arguing the questions asked according to rational criteria.
- R3 The student knows and understands the main causes and pathogenic mechanisms of the most common pathologies in dogs and cats.
- R4 The student is able to establish a diagnostic plan in order to make a diagnostic judgement.
- R5 The student is able to issue a prognosis, assessing the evolution of the pathology studied.
- R6 The student knows the prophylaxis and hygienic-dietary or medicine therapy of the main diseases of dogs and cats.
- R7 The student is able to do a complete clinical examination.
- R8 The student is able to collect biological samples and process them.
- R9 The student is able to write documents related to the subject and work in a team.
- R10 The student knows how to use different working techniques in the laboratory and interpret the results.
- R11 The student searches bibliographic information from different sources and knows how to analyse it with a critical and constructive spirit.



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB2	Capacity to apply knowledge to work or occupation in a professional way and have the competences that are proved by preparing and arguing topics and problem-solving in their specific field of study.				X
CB3	Capacity to gather and interpret relevant data usually within their specific field of study and capacity to make judgments that include reflection on relevant social, scientific or ethical issues.				X
CB4	Capacity to communicate information, ideas, problems and solutions at specialist and non-specialist levels.				X
CB5	Capacity to develop those learning skills needed to undertake further studies with a high degree of autonomy.				X
GENERAL		Weighting			
		1	2	3	4
CG0	Capacity to speak well in public.				X
CG2	Understanding and applying prevention, diagnosis and individual or collective treatment, and control of animal diseases, individually or in groups, with special attention to zoonoses.				X
CG3	Understanding and applying control of animal breeding, management, health, reproduction, protection, and feed as well as improving production.	X			
CG5	Understanding and applying laws, regulations and administrative provisions in all areas of the veterinary profession and public health, understanding the ethical implications of health in a changing global context.			X	
CG6	Developing professional practice, acquiring skills related to teamwork, with an efficient use of resources and quality management.				X



CG7 Identifying emerging risks in all areas of the veterinary profession.

X

SPECIFIC		Weighting			
		1	2	3	4
E24	Knowing and applying methods and procedures of clinical examination, additional diagnostic techniques and their interpretation.				X
E25	Knowing and applying imaging diagnostic and radiation biology.			X	
E26	Knowing and applying necropsy.	X			
E27	Knowing and applying recognition and diagnosis of different types of injuries and their association with pathological processes.				X
E28	Knowing and applying the clinical study of patients and medical, surgical or hygienic-dietary treatments required, as well as sporadic diseases affecting groups.				X
E29	Knowing and applying diagnosis.				X
E30	Knowing and applying surgical techniques used in veterinary.	X			
E31	Knowing and applying animal anesthesia and resuscitation.	X			
E32	Knowing and applying reproduction, birth and postpartum: care and disease.	X			
E33	Knowing and applying assisted reproduction.	X			
E34	Understanding and applying fish pathology.	X			
E36	Knowing and applying pharmacotherapy.				X
E39	Knowing and applying transmission and maintenance of disease and methods of study of disease in populations.				X
E40	Knowing and applying infectious and parasitic diseases related to veterinary practice including diagnosis and control.				X
E41	Knowing and applying zoonoses and public health.				X



E42 Knowing and applying the promotion of collective health in animals, including wildlife, in order to maximize the economic performance in a social, ethical and healthy way.

X

E43 Knowing and applying technical measures and regulations for the prevention, control and eradication of animal diseases.

X

TRANSVERSAL

Weighting

1 2 3 4

T1 Capacity of analysis, synthesis, implementation of knowledge for problem-solving and decision-making.

X

T2 Understanding and applying the scientific method to professional practice including evidence-based medicine.

X

T3 Basic knowledge of the veterinary profession: legal, economic, administrative, planning and time management issues and the veterinarians' society together with the importance of monitoring quality, standardization and protocols of veterinary practice.

X

T4 Mastering fluency in oral and written mother tongue communication, listening and responding effectively using a language appropriate to audience and context.

X

T6 Using information technology to communicate, share, search for, collect, analyze and manage information, especially related to the veterinarian practice.

X

T7 Ability to adapt to new situations, self-critical ability, being aware of personal limitations and understanding when and where seeking and obtaining advice and professional help.

X

T8 Efficient and effective work, both independently and as a member of a multidisciplinary team or unit, showing respect, appreciation and sensitivity to the work of others.

X

T9 Keeping an ethical behaviour in the exercise of given responsibilities toward the profession and society.

X

T10 Ability to learn, to research, and to be aware of the need to keep knowledge updated, and attending training programs.

X



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4, R5, R6, R9, R11	30,00%	Written assessment of acquired knowledge and skills. The test may consist of a series of open-ended questions or multiple-choice questions about the theoretical contents of the module and/or practical exercises (problem-solving).
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	10,00%	Evaluation of the use of the practical lessons in the classroom, of problems or computer science, seminars and tutorials, by means of participation, computer-supported problem solving and the elaboration of the corresponding reports.
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	10,00%	Evaluation of the practical laboratory work, which must demonstrate the competences acquired by the student and his or her ability to use them to solve the different situations and problems that arise in a laboratory; this assessment may consist of one of the following methods, or a combination of several of them: an individual written test, the individual or group performance of a laboratory experience, the delivery of an individual or group report on the work carried out in the laboratory.
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	10,00%	Evaluation of practical work in a clinic through which the student must demonstrate the competences acquired and the ability to use them to solve the different situations and problems that arise in a clinic; this assessment may involve one of the following methods, or a combination of several of them: a written individual test, the individual or group performance of a clinical experience, the delivery of an individual or group report on the work carried out in the laboratory.



R1, R2, R3, R4, R5, R6, R9, R11	20,00%	Evaluation of group work through a system of continuous assessment throughout the course based on the delivery of assignments the objectives and content of which will be proposed by the teacher.
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	20,00%	Evaluation of activities in which the student must do some research individually and structure information related to each of the topics through a system of continuous assessment throughout the course based on the delivery of papers, the objectives and contents of which will be proposed by the teacher.

Observations

The final test represents 30% of the final grade. For this, an exam will be developed on theoretical knowledge. The theoretical exam will consist of multiple choice and / or short questions. **Failure to pass the theoretical part will make it impossible to pass the course.**

Attendance at practices is considered compulsory. During the practical sessions the Teacher will control the attendance and the attitude of each student. Factors such as attention, degree of participation and interest shown during practice will be taken into account. **The evaluation of the practical activities constitutes 30% of the final grade.**

The evaluation of group and individual work contributes 40% of the final grade. Students will carry out two continuous online evaluations of theoretical knowledge and clinical cases to work individually or in groups.

Overall evaluation:

For the final grade, the results of the different evaluation activities scheduled are evaluated. **To pass the course it will be necessary to obtain, as a minimum, a grade equal to or greater than 50 points out of 100 in the first section and in the final grade of the course.**

Award Criteria for grading with Honors: At the discretion of the teacher, an honor enrollment can be awarded for every 20 students (not for a fraction of 20; except for the first 20 students). Only honors may be awarded on the first or second call of the student's first year of enrollment in the subject.

Review of exams: after the publication of the grades, the student will have the review period published on the platform, to review their exam, unless specifically indicated otherwise by the teachers and outside these hours, the exams will not be shown. Those students who for various reasons do not attend the evaluation on the official date of the calls, extraordinary evaluations may be carried out with an oral exam.



MENTION OF DISTINCTION:

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 On-site training activity aimed primarily at acquiring knowledge acquisition skills. It is characterised by the fact that students are spoken to. Also called master class or exposition, it refers to the oral presentation made by the teacher, (with the support of blackboard, a computer and a projector for the display of texts, graphs, etc.), in front of a group of students. They are expository, explanatory or demonstrative sessions of contents. The size of the group is determined by the limit or physical capacity of the classroom; therefore, it is a single group.
- M2 On-site training activity aimed primarily at obtaining knowledge application and research skills. Knowledge is built through interaction and activities. The activity consists of supervised monographic sessions with shared participation (teachers, students, experts). The size of the group is variable, from one large group to various small groups, with a minimum of 6 students to ensure interaction. The evaluation will be based on follow-up records kept by the teacher. Participation and the development of the capacity to problematize should be taken into account.
- M3 On-site group-work training activity oriented toward problem solving under the supervision of a teacher. It would correspond to "Animal-free supervised practical work", type e1, from the European evaluation of EAEVE. The size of the group is variable, in a range of 10 to 20 students, to differentiate it from a master class.
- M4 On-site training activity in groups that takes place in the classroom. It includes working with documents and formulating ideas without handling animals, organs, objects, products, or corpses (e.g., work with articles or documents, clinical case studies, diagnostic analyses, etc.). It would correspond to "Animal-free supervised practical work", type e1, from the European evaluation of EAEVE. The size of the group is variable, in a range of 10 to 20 students.



- M5 On-site training activity in groups that takes place in the Computer Lab where the computer is used as support for learning. It includes work with computer models, specific software, Web queries, etc. It would correspond to "Animal-free supervised practical work", type e1, from the European evaluation of EAEVE. The size of the group is variable, in a range of 10 to 20 students.
- M6 On-site training activity in groups carried out in the laboratory. It includes the sessions where the students develop laboratory experiments, make dissections or use the microscopes for the study of histological or histopathological samples actively and autonomously, under the supervision of the professor. It also includes work with healthy animals, objects, products, corpses (e.g., animal handling, bacteriological practices, physiology or biochemistry, meat inspection, etc.). It would correspond to the "Supervised practical non-clinical animal work" type e2 of the European evaluation of EAEVE. The size of the group is variable, in a range of 10 to 20 students.
- M7 On-site training activity that is defined as the clinical practical work developed in the Veterinary Clinical Hospital or clinical centres ascribed to the University, as well as itinerant clinical practices, mainly with ruminants, equids, pigs, birds and aquatic animals. Also included are necropsies, surgical workshops and training in clinical examination techniques or diagnosis with healthy patients. In these practical sessions the student will always work with animals, which can be healthy (e.g. propaedeutic or obstetrics) or clinical cases (individual or collective), including a protocol or work scheme, being supervised by a teacher and assuming the provision of a service. This type of training corresponds to type e3 of the EAEVE European evaluation called "Clinical Training" (strickly hands-on)". The size of the group will be 5 students or fewer.
- M8 A set of on-site training activities carried out by the teacher to provide personalised attention to the student or in small groups with the aim of reviewing and discussing the materials and topics presented in classes, seminars, readings, carrying out projects, etc. The aim is to ensure a truly comprehensive education of the student rather than a mere transfer of information. It is, therefore, a personalized assistance relationship in which the tutor assists, facilitates and guides one or more students in the learning process.
- M9 Set of processes that attempt to evaluate the learning outcomes of students expressed in terms of acquired knowledge, capacities, skills or abilities developed and manifested attitudes. It covers a wide range of activities that can be developed for students to demonstrate their training (e.g. written, oral and practical tests, projects or assignments). It also includes the Official Calls.
- M10 Autonomous training activity, including activities and coursework, bibliographic searches. The results obtained from unsupervised group and teamwork will be evaluated, with particular attention paid at the time of evaluation to the acquisition of specific knowledge development skills through group work.



- M11 Autonomous training activities related to personal study, or the preparation of individual course assignments. The individual preparation of readings, essays, problem solving, papers, reports, etc. will be evaluated through presentations or submissions during theoretical classes, practical classes, seminars and/or tutorials. The evaluation of the submitted papers will consider the structure of the paper, the quality of the documentation, originality, spelling and presentation.



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Theoretical lessons (TL) M1	R1, R2, R3, R4, R5, R6, R9	60,00	2,40
Seminars (S) M2	R1, R2, R3, R4, R5, R6	4,00	0,16
Problem-solving Practice (PSP) M3, M4	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	1,00	0,04
Laboratory Practice (LP) M6	R1, R2, R10	3,00	0,12
Clinical Practice (CP) M7	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	22,00	0,88
Tutorial M8	R1, R2, R11	3,00	0,12
Evaluation (Ev) M9	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	5,00	0,20
TOTAL		98,00	3,92

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Group work M10	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	12,00	0,48
Individual work M11	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	40,00	1,60
TOTAL		52,00	2,08



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
DU 1.- INTRODUCTION TO THE SMALL ANIMAL INTERNAL MEDICINE	Introduction to the subject and to the assessment method. COMPETENCES: CB2, CB3, CB4
DU 2 - HEMATOLOGY	Lecture 1. INFECTIOUS AND PARASITIC DISEASES OF HAEMOLYMPHATIC SYSTEM. Leishmaniasis. Ehrlichiosis. Feline Infectious Anemia. Feline panleukopenia. Feline infectious leukemia. Lecture 2 ANEMIA CLASSIFICATION. Regenerative and non-regenerative anemias, diagnostic and therapeutic approach. Lecture 3 HEMATOLOGY AND AUTOIMMUNE DISEASES. Immune-mediated hemolytic anemia, immune-mediated thrombocytopenia, diagnostic and therapeutic approach. Immunosuppressive agents. COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E40, E41, E42, E43



DU. 3 - HEPATOBILIARY DISEASES

Lecture 4 INFECTIOUS DISEASES OF THE HEPATOBILIARY SYSTEM. Canine Infectious Hepatitis.

Lecture 5 DIAGNOSTIC AND THERAPEUTIC APPROACHES TO HEPATOBILIARY DISEASES. Gallbladder diseases, causes, symptoms, diagnosis and treatment.

Lecture 6 MOST FREQUENT DISEASES OF THE HEPATOBILIARY SYSTEM IN DOGS. Portosystemic shunt and hepatic encephalopathy, causes, symptoms, diagnosis and treatment.

Lecture 7 MOST FREQUENT DISEASES OF THE HEPATOBILIARY SYSTEM IN CATS. Feline hepatic lipidosis and inflammatory hepatitis, causes, symptoms, diagnosis and treatment.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E40, E41, E42, E43



DU. 4 – GASTROINTESTINAL TRACT DISEASES

Lecture 8. INFECTIOUS AND PARASITIC DISEASES OF THE GASTROINTESTINAL TRACT. Canine viral enteritis (Parvovirus. Rotavirus. Coronavirus) feline viral enteritis (Feline Infectious Peritonitis). Parasitic gastroenteritis (Coccidiosis, Giardiasis, Trichomonosis. Cestodes. Toxocariosis. Ancilostomatidosis. Trichurosis).

Lecture 9. ESOPHAGUS AND STOMACH DISEASES. Esophagitis, megaesophagus and major diseases of the stomach, causes, symptoms, diagnosis and treatment.

Lecture 10 BOWEL DISEASES. Inflammatory bowel disease, protein losing enteropathy, adverse food and bacterial overgrowth of the small intestine, causes, symptoms, diagnosis and treatment reactions.

Lecture 11 DISEASES OF THE INTESTINE. Inflammatory disease, obstructive disease and motility disorders, causes, symptoms, diagnosis and treatment.

Lecture 12 DISEASES OF THE PANCREAS EXOCRINE. Pancreatitis, causes, symptoms, diagnosis and treatment.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E40, E41, E42, E43



DU. 5 - DISEASES OF THE URINARY SYSTEM

Lecture 13 ACUTE AND CHRONIC RENAL FAILURE. Causes, symptoms, diagnostic plan for acute and chronic renal failure and its treatment.

Lecture 14 INFECTIOUS DISEASES AFFECTING THE URINARY SYSTEM: Leptospirosis.

Lecture 15 INFLAMMATORY CYSTITIS (Feline Idiopathic Cystitis, urolithiasis and Flud): Diagnosis and treatment of the main types of inflammatory cystitis and treatment of the urinary obstruction.

Lecture 16 URINARY TRACT INFECTIONS. Causes, symptoms, diagnosis and treatment.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E40, E41, E42, E43

DU. 6 - ENDOCRINE SYSTEM

Lecture 18 ACROMEGALY/ DIABETES INSIPIDUS. Causes, symptoms, diagnosis and treatment.

Lecture 18
HYPERADRENOCORTICISM/ HYPORADRENOCORTICIS M. Causes, symptoms, diagnosis and treatment.

Lecture 19 HYPERTHYROIDISM/ HYPOTHYROIDISM. Causes, symptoms, diagnosis and treatment.

Lecture 20 DIABETES MELLITUS. Causes, symptoms, diagnosis and treatment of diabetes mellitus and diabetic ketoacidosis.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E42, E43



DU. 7 - NERVOUS SYSTEM DISEASES

Lecture 21 INTRACRANIAL DISEASES: Neoplastic, inflammatory, infectious, vascular procedures, head trauma, diagnostic and therapeutic approach.

Lecture 22 VESTIBULAR DISEASES. Central vestibular syndrome and peripheral diagnostic and therapeutic approach.

Lecture 23 DISEASES OF THE SPINAL CORD. Causes, symptoms, diagnosis and therapy of major abnormalities of the vertebrae and the meninges.

Lecture 24. TREATMENT OF EPILEPSY AND SEIZURES. Causes, symptoms, diagnosis and therapy.
COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E42, E43

DU 8 -. DISEASES OF THE EYE

Lecture 25. PATHOLOGIES OF THE DIFFERENT PORTIONS OF THE OCULAR GLOBE AND ANNEXES

Lecture 26. OCULAR PHARMACOLOGY. Therapeutic principles of major eye diseases.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E42, E43

DU. 9 - SKIN DISEASES

Lecture 27. PRACTICAL DERMATOLOGY IN COMPANION ANIMALS I: pruritic syndromes and otitis.

Lecture 28. PRACTICAL DERMATOLOGY IN ANIMALS OF COMPANY II: diagnostic approach of the main dermatological alterations.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E42, E43



DU 10 -. RESPIRATORY DISEASES

Lecture 29. INFECTIOUS AND PARASITIC RESPIRATORY DISEASES. Canine infectious tracheobronchitis. Feline respiratory complex. Nasal aspergillosis. Parasitic bronchopneumonia (angiostrongylosis, Aelurostrongylosis)

Lecture 30 NASAL AND UPPER AIRWAYS DISEASES. Rhinitis, brachycephalic syndrome, laryngeal collapse, tracheal collapse, diagnostic and therapeutic approach.

Lecture 31 LUNG AND PLEURA DISEASES. Pneumonia, pleural effusion, pneumothorax, diagnostic and therapeutic approach.

Lecture 32. DIAGNOSTIC APPROACH TO THE PATIENT WITH COUGH AND DYSPNEA.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E40, E41, E42, E43

DU 11 -. CARDIOVASCULAR DISEASES

Lecture 33. CARDIOVASCULAR PARASITIC DISEASES. Heartworms.

Lecture 34 HEART FAILURE. Classification of heart failure, causes, symptoms, diagnosis and therapeutic considerations.

Lecture 35 CARDIAC ARRHYTHMIAS. Causes, symptoms, diagnosis of major cardiac arrhythmias and treatment.

Lecture 36 CONGENITAL AND ACQUIRED VALVULAR HEART DISEASES. Causes, symptoms, diagnosis and therapeutic considerations.

Lecture 37 CARDIOMYOPATHIES. Classification of myocardial disease, causes, symptoms, diagnosis and therapeutic considerations.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E40, E41, E42, E43



DU 12 - EMERGENCY MEDICINE

Lecture 38. TRANSFUSION MEDICINE AND FLUIDOTHERAPY. Therapeutic considerations in patients with anemia and hypoalbuminemia.

Lecture 39. APPROACH EMERGENCY PATIENT

Lecture 40. CARE OF THE POLITRAUMA

Lecture 41. RESPIRATORY EMERGENCIES.

COMPETENCES: CB2, CB3, CB4, CG2, CG7, T1, T2, T3, T4, T6, T8, T10, E24, E25, E27, E29, E36, E39, E40, E42, E43

PRACTICES

- 1st day hospital clinical rotation
- 2nd day hospital clinical rotation
- 3rd day hospital clinical rotation
- 4th day hospital clinical rotation
- 5th day hospital clinical rotation
- Seminar cardiology
- Respiratory seminar
- Emergency seminar
- Ophthalmology Seminar
- Endoscopy and Laparoscopy Practice
- Clinical case Exhibition

EVALUATION & TUTORIAL

Evaluation and tutorial



Organization of the practical activities:

	Content	Place	Hours
PR1.	1st day hospital clinical rotation	Hospital	6,00
PR2.	2nd day hospital clinical rotation	Hospital	6,00
PR3.	3rd day hospital clinical rotation	Hospital	6,00
PR4.	4th day hospital clinical rotation	Hospital	6,00
PR5.	5th day hospital clinical rotation	Hospital	6,00
PR6.	Endoscopy and Laparoscopy Practice	Drylab	3,00
PR7.	Cardiology seminar	Lecture room	1,00
PR8.	Respiratory seminar	Lecture room	1,00
PR9.	Emergency seminar	Lecture room	1,00
PR10.	Ophthalmology Seminar	Lecture room	1,00



Temporary organization of learning:

Block of content	Number of sessions	Hours
DU 1.- INTRODUCTION TO THE SMALL ANIMAL INTERNAL MEDICINE	1,00	2,00
DU 2 - HEMATOLOGY	3,00	6,00
DU. 3 - HEPATOBILIARY DISEASES	4,00	8,00
DU. 4 – GASTROINTESTINAL TRACT DISEASES	3,00	6,00
DU. 5 - DISEASES OF THE URINARY SYSTEM	3,00	6,00
DU. 6 - ENDOCRINE SYSTEM	3,00	6,00
DU. 7 - NERVOUS SYSTEM DISEASES	3,00	6,00
DU 8 -. DISEASES OF THE EYE	2,00	4,00
DU. 9 - SKIN DISEASES	2,00	4,00
DU 10 -. RESPIRATORY DISEASES	2,00	4,00
DU 11 -. CARDIOVASCULAR DISEASES	2,00	4,00
DU 12 - EMERGENCY MEDICINE	2,00	4,00
PRACTICES	16,00	32,00
EVALUATION & TUTORIAL	3,00	6,00



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- Zajac, A.; Conboy, G. Veterinary Clinical Parasitology. Willey-Blackwell. 2012.

Other Resources:

SCIENTIFIC JOURNALS OF INTEREST

- Argos
- Clínica de pequeños animales (AVEPA)
- Compendium of Continuing Education for the practicing veterinarian.
- Consulta de difusión veterinaria
- Journal of American Veterinary Medical Association.
- Journal of the American Animal Hospital Association
- Journal of Veterinary Internal Medicine.
- Veterinary clinics of North America: Small animal practice.
- Veterinary Pathology (<http://vet.sagepub.com/>)
- Veterinary Record.



Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

☒ Microsoft Teams

☐ Kaltura



Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

☒ Microsoft Teams

☐ Kaltura

Explanation about the practical sessions:

Practical sessions:

- Endoscopy practice, will be done through the visualization of videos (through CAMPUS-UCV), laparoscopy, arthroscopy, otoscopy, gastroduodenoscopy, cystoscopy and bronchoscopy.
- Seminars: will be held using the Microsoft Teams tool and will be recorded.
- Clinical cases: information of the clinical cases and the task will be uploaded to the CAMPUS-UCV platform. The resolution of the clinical case will be made through the Microsoft Teams tool and will be recorded.
- Clinical practices , rotation in the different hospital services: the clinical practices will be



supplemented with the performance of clinical case type tasks in which the student will have to answer questions after viewing videos, photos or diagnostic tests provided, these tasks will be carried out through the CAMPUS-UCV platform. These tasks are intended to supply the basic activities set out in their check list, in which the student must detect alterations in the physical examination of the animal, prepare a list of differential diagnoses, propose a diagnostic plan, interpret complementary tests and evaluate hospitalized animals (The latter will be done through interactive clinical cases). The presentation of the final clinical case will be made through the presentation of a case report published in an indexed journal.



2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:



The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.



The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used
Written evaluation of the knowledge and skills obtained.	30%	No percentage change. The theory test will be carried out on-line through the CAMPUS-UCV platform, if the health alarm is maintained and cannot be carried out in person.	CAMPUS-UCV NET
Assessment of achievement in practical classes	10%	No percentage change. Evaluation of interactive clinical case type tasks, in which the student must answer a questionnaire at the end of them.	CAMPUS-UCV NET+ MICROSOFT TEAMS
Evaluation of practical laboratory work	10%	No percentage change. The evaluation will be carried out from the preparation and presentation of a Case Report provided by the teacher.	CAMPUS-UCV NET + MICROSOFT TEAMS



Evaluation of practical clinical
work

10%

No percentage change. The
evaluation will be carried out
from the preparation and
presentation of a Case
Report provided by the
teacher.

CAMPUS-UCV NET+
MICROSOFT TEAMS

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System:

The task of preparing and presenting the Case Report itself, solves the adaptation of practical work in the laboratory and practical work in the clinic, simultaneously.