DEGREE CURRICULUM

POULTRY HEALTH AND CLINICS

Coordination: LOPEZ HELGUERA, IRENE

Academic year 2022-23

POULTRY HEALTH AND CLINICS 2022-23

Subject's general information

<table>
<tr><td>Subject name</td><td>POULTRY HEALTH AND CLINICS</td></tr>
<tr><td>Code</td><td>100364</td></tr>
<tr><td>Semester</td><td>2nd Q(SEMESTER) CONTINUED EVALUATION</td></tr>
<tr><td>Typology</td><td>
<table>
<tr><th>Degree</th><th>Course</th><th>Character</th><th>Modality</th></tr>
<tr><td>Double bachelor's degree: Bachelor's Degree in Veterinary Medicine and Bachelor's Degree in Science and Production</td><td>4</td><td>COMPULSORY</td><td>Attendance-based</td></tr>
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<tr><td>Course number of credits (ECTS)</td><td>6</td></tr>
<tr><td>Type of activity, credits, and groups</td><td>
<table>
<tr><th>Activity type</th><th>PRACLIN</th><th>PRALAB</th><th>PRAULA</th><th>TEORIA</th></tr>
<tr><td>Number of credits</td><td>1.2</td><td>1.3</td><td>0.5</td><td>3</td></tr>
<tr><td>Number of groups</td><td>6</td><td>4</td><td>2</td><td>1</td></tr>
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<tr><td>Coordination</td><td>LOPEZ HELGUERA, IRENE</td></tr>
<tr><td>Department</td><td>ANIMAL SCIENCE</td></tr>
<tr><td>Important information on data processing</td><td>Consult this link for more information.</td></tr>
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POULTRY HEALTH AND CLINICS 2022-23

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
LOPEZ HELGUERA, IRENE	irene.lopez@udl.cat	6,8	
MOLIN MOLINA, JESSICA	jessica.molin@udl.cat	2,6	
MORERA CELDA, NEUS	neus.morera@udl.cat	4,4	
VELILLA JANEZ, MARIA MONTSERRAT	montserrat.velilla@udl.cat	2,6	

Learning objectives

The objectives of this subject are

- Learn to carry out exploration and sampling in birds and rabbits.

- Recognize and assess the clinical pictures of rabbit and bird diseases and interpret the results of diagnostic techniques to establish the etiology of the diseases.

- Know the main hygienic-dietetic, chemotherapeutic, medical and surgical treatments.

- Know the prophylaxis, control and eradication of infectious and parasitic diseases that affect birds and rabbits.

Competences

BASIC COMPETENCES

CB1, CB2, CB3, CB4, CB5

TRANSVERSAL COMPETENCES

CT1, CT2, CT3, CT4, CT5

GENERAL COMPETENCES

CG2 The prevention, diagnosis and individual or collective treatment, as well as the fight against animal diseases, whether they are considered individually or in groups, particularly zoonoses.

CG3 The control of the breeding, handling, welfare, reproduction, protection, and feeding of the animals, as well as the improvement of their productions.

CG4 Obtaining products of animal origin under optimal and economically profitable conditions and assessing their

environmental impact

CG5 Knowledge and application of legal, regulatory and administrative provisions in all areas of the veterinary profession and public health, understanding the ethical implications of health in a changing global context.

CG6 Development of professional practice with respect to other health professionals, acquiring skills related to teamwork, the efficient use of resources and quality management.

CG7 Identification of emerging risks in all areas of the veterinary profession

SPECIFIC COMPETENCES

CE14. Identify and apply the methods and procedures of clinical examination, complementary diagnostic techniques and their interpretation, as well as identify and apply the fundamentals of autopsy.

CE16. Identify and apply the recognition and diagnosis of the different types of injuries and their association with pathological processes

CE17. Know and apply the clinical study of the sick individual and the medical, surgical or hygienic-dietary treatments that it requires, as well as sporadic diseases that affect groups

CE19 Know the principles of reproduction, childbirth, puerperium and Assisted reproduction: Care and diseases

CE20 Know the general pharmacological bases and study of the different types of drugs, pharmacotherapy identify natural and synthetic toxics and apply the principles of animal and environmental toxicology

CE22. Know the infectious and parasitic diseases of veterinary interest including their diagnosis and fight as well as apply the bases of Zoonosis and Public Health

CE39. Treat and handle animals safely and humanely, and educate others on how to properly carry out these techniques

CE40. Perform basic analytical techniques and interpret their clinical, biological and chemical results, interpret the results of tests generated by other laboratories as well as collect, preserve and send all types of samples with their corresponding report.

CE41. Diagnosing the most common diseases by using different general and instrumental techniques

CE42. Use radiographic and ultrasonographic equipment, as well as other equipment that can be used as diagnostic means, safely and in accordance with regulations

CE44. Attend emergencies and perform first aid in veterinary medicine

CE46. Assess and interpret the productive and health parameters of an animal group, considering the economic and welfare aspects

Subject contents

MODULE I: RABBIT CLINIC AND HEALTH

Rabbit anatomy and physiology

Management and physical examination

Diagnostic tests

Medical interventions in rabbits

Rabbit pathology: digestive, respiratory, and others

Vaccine prophylaxis in rabbit farms

MODULE II: CLINIC AND BIRD HEALTH

Avian anatomy and physiology

Management and physical examination

Diagnostic tests

Medical interventions in birds

Avian pathology: digestive, respiratory, multisystemic and others

Nutrition pathology

Vaccine prophylaxis in poultry farms

PRACTICES

Avian histology

Exploration and sampling in birds

Avian health, current legal regulations in poultry farms and pet birds

Clinical cases of birds

Examination and sampling in rabbits

Clinical cases in rabbits

Necropsies of birds and rabbits

External visit (to be determined)

Methodology

The subject will be developed in two weekly sessions of 2 hours, either theory or practical.

Contents will be given in the form of diagrams or summaries of the different topics, as well as “links” of interest for self-learning, through the electronic files of the ETSEA library.

The participation of the students in the preparation and presentation of a group work related to the subject will be scheduled.

After each practice there will be an exam.

The practices will be carried out in medium groups of 15-16 students for the seminar activities and in groups of 9-10 people for clinical or necropsy activities

All activities will be face-to-face if sanitary conditions allow it. Otherwise, the sessions will be held virtually.

Evaluation

The evaluation is based on two examns

• **First partial exam (40% of the final grade for the subject**). It is necessary to get a 5 to pass

test exam -->50% of the mark (It is necessary to get a 5 to average with the written part)

written exam -->50% of the mark (It is necessary to get a 5 to average with the test part)

• **Second partial exam (40% of the final grade for the subject).** It is necessary to get a 5 to pass

test exam -->50% of the mark (It is necessary to get a 5 to average with the written part)

written exam -->50% of the mark (It is necessary to get a 5 to average with the test part)

At the end of the semester the students can retake the failed exams. In case of failing both partial exams, the student must retake both exams

Other qualifying activities:

- Practices with evaluation (laboratory, clinical cases, etc.), will be **10% of the final mark.**

- Group work, it will be **10% of the final mark.**

In case of not attending or not taking the test of a practice, this activity will have a 0. If a student misses more than two practices or does not take the exam of more than two activities, the global mark of the practices will be 0

Students who do not reach 5 pointd in the theoretical exams, their final mark will be the weighted average of both partial, without counting the marks of the practical activities. When the final mark is above 8 points (exams + practical activities), it can be reward to guarantee the excellent marks if it is deemed appropriate based on the student's evolution during the semester.

According to the udl and school regulations, it is completely forbidden to cheat in exams, as well as not respecting the previously established rules of the test (mobile devices, digital watches, etc.). In the event that a student does not respect this rule, he / she will be expelled from the exam immediately and will not have the right to attend the partial exams, having to retake both partial exams.

Bibliography

Diseases of Poultry. B.W. Calnek. Iowa State University Press. 12th edition. 2008.

Atlas de la necropsia aviar. N.Majó y R.Dolz. Ed. Asís. 2011

Higiene i Patologia Aviars. F. Lleonart, E. Roca, M.Callís, A. Gurri, M. Pontes. Reial Escola d´Avicultura. 1991.

Clinical Avian Medicine Volumes 1 & 2. Gregg J. Harrison & Theresa Lightfoot. Unabridged, 2005

Avian Medicine and Surgery in Practice, Companion and Aviary Birds, B Doneley, Apple Academic Press Inc., 2nd Ed. 2016.

Principles of Poultry Science. S.P Rose. Cab International, 1997.

Exotic Animal Formulary. James W. Carpenter. 4e (Inglés), 2012

BSAVA Manual of Rabbit Medicine (BSAVA British Small Animal Veterinary Association). Anna Meredith, Brigitte Lord . (Inglés), 2014

BSAVA Manual of Rabbit Surgery, Dentistry and Imaging, F Harcourt-Brown & J Chitty, British Small Animal Veterinary Association, 2014

Ferrets, Rabbits, and Rodents. Clinical Medicine and Surgery. Katherine Quesenberry Katherine

Quesenberry James Carpenter. 3rd Edition, 2012.