

COURSE DESCRIPTION

COURSE DETAILS

Title (of the course): **EQUINE MEDICINE**

Code: 101509

Degree/Master: **GRADO DE VETERINARIA**

Year: 5

Name of the module to which it belongs: OPTATIVIDAD

Field: OPTATIVA

Character: OPTATIVA

Duration: FIRST TERM

ECTS Credits: 3.0

Classroom hours: 30

Face-to-face classroom percentage: 40.0%

Study hours: 45

Online platform:

LECTURER INFORMATION

Name: AGUILERA TEJERO, ESCOLASTICO (Coordinator)

Department: MEDICINA Y CIRUGÍA ANIMAL

Area: MEDICINA Y CIRUGÍA ANIMAL

Office location: Hospital Clínico Veterinario - planta baja

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PREREQUISITES AND RECOMMENDATIONS

Prerequisites established in the study plan

English B1 level is required.

Recommendations

It is recommended that the students have attended the following courses: Patología General, Propedéutica y Diagnóstico por Imagen, Farmacología y Farmacia, Medicina Interna y Patología Quirúrgica. In addition, a basic knowledge of English language is necessary.

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INTENDED LEARNING OUTCOMES

CU1	To accredit the use and proficiency of a foreign language.
CU2	To know and improve the user level in the field of ICT.
CU3	To increase the habits of an active searching for employment and the capacity of entrepreneurship.
CT1	To solve problems.
CT2	Teamwork.
CT3	Ability to apply knowledge in a practical way.
CT4	Decision making.
CT5	Ethical commitment.
CT6	Ability for analysis and synthesis.
CT7	Investigation skills.
CT8	Motivation for quality.
CE33	Clinical study, diagnosis and treatment of the sick individual as well as sporadic diseases affecting groups.

OBJECTIVES

This course is oriented to provide a general knowledge of equine diseases with a problem-oriented approach (e.g. fever, dysphagia, diarrhea, polyuria/polydipsia, anemia, etc.). In addition, the student should acquire experience with interpretation of the more common diagnostic tests used in equids: ultrasonography, endoscopy, hematology and blood biochemistry, etc; as well as learning the handling and care of hospitalized horses.

CONTENT

1. Theory contents

Chapter 1. Introduction. Most common drugs used in equine medicine.
 Chapter 2. Fluid therapy.
 Chapter 3. Basic equine nutrition. Main nutritional disorders in horses.
 Chapter 4. Common equine intoxications.
 Chapter 5. Care and handling of hospitalized horses.
 Chapter 6. Protocols for equine vaccination and deworming.
 Chapter 7. Problem-oriented approach to diagnosis in equine medicine.
 Chapter 8. Fever.
 Chapter 9. Epistaxis.
 Chapter 10. Chronic nasal discharge.
 Chapter 11. Dyspnea.
 Chapter 12. Respiratory Noise.
 Chapter 13. Murmurs and arrhythmias.
 Chapter 14. Subcutaneous and cavitary edema.
 Chapter 15. Anemia.
 Chapter 16. Icterus.
 Chapter 17. Acute abdominal pain (colic).
 Chapter 18. Chronic and recurrent colic.
 Chapter 19. Dysphagia.



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Chapter 20. Diarrhea.
 Chapter 21. Chronic weight losses.
 Chapter 22. Polyuria/polydipsia.
 Chapter 23. Epiphora and blepharospasm.
 Chapter 24. Pruritus.
 Chapter 25. Ataxia.
 Chapter 26. Endocrinopathic laminitis.
 Chapter 27. Peripartum diseases in mares. Care of the newborn foal.
 Chapter 28. Foal diseases.
 Chapter 29. Reduced athletic performance.
 Chapter 30. Prepurchase exams. Role of the veterinarian in equestrian competitions.

2. Practical contents

Clinical sessions in the Hospital Clínico Veterinario.

SUSTAINABLE DEVELOPMENT GOALS RELATED TO THE CONTENT

Good health and well-being
 Quality education
 Responsible consumption and production
 Life on land
 Partnerships for the goals

METHODOLOGY

General clarifications on the methodology (optional)

Individual adjustments will be made for part time students.

Methodological adaptations for part-time students and students with disabilities and special educational needs

A personalized adaptation will be considered.

Face-to-face activities

Activity	Large group	Medium group	Small group	Total
<i>Assessment activities</i>	-	1	-	1
<i>Case study</i>	2	9	9	20
<i>Group presentation</i>	8	-	-	8
<i>Tutorials</i>	-	-	1	1
Total hours:	10	10	10	30

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Off-site activities

Activity	Total
Information search	15
Reference search	15
Self-study	15
Total hours	45

WORK MATERIALS FOR STUDENTS

Case studies

Oral presentations

EVALUATION

Intended learning	Case Studies	Exams	Oral Presentation
CE33	X	X	X
CT1	X	X	
CT2	X		
CT3	X	X	X
CT4	X	X	
CT5	X	X	X
CT6			X
CT7			X
CT8	X	X	X
CU1			X
CU2			X
CU3	X		
Total (100%)	34%	33%	33%
Minimum grade	3	3	3

(*)Minimum mark (out of 10) needed for the assessment tool to be weighted in the course final mark. In any case, final mark must be 5,0 or higher to pass the course.

COURSE DESCRIPTION

Method of assessment of attendance:

33%

General clarifications on instruments for evaluation:

In addition to considering the attendance, the students will have to prepare presentations that will be discussed in class and there will be an exam at the end of the course.

The marks obtained in each evaluation category (attendance, presentations and exam) will be valid for one academic year.

Clarifications on the methodology for part-time students and students with disabilities and special educational needs:

The peculiarities of these students will be taken into consideration.

Clarifications on the evaluation of the first extraordinary call and extra-ordinary call for completion studies:

Extraordinary call is seldom required. Clarifications will be made upon request to those students that may require extraordinary call.

Qualifying criteria for obtaining honors:

Alumnos que obtengan calificación superior a 9.5

BIBLIOGRAPHY

1. Basic Bibliography

- Reed S.M. (2017). Equine internal medicine. 4 ed. WB Saunders. Philadelphia.
- Robinson N.E. (2014). Current therapy in equine medicine 7 ed. WB Saunders. Philadelphia.
- Smith B.P. (2019). Large animal internal medicine. 6 ed. CV Mosby Co. St Louis.

2. Further reading

- Langdon & Fielding. Equine Fluid Therapy (2015). Wiley Blackell.

COORDINATION CRITERIA

Joint activities: lectures, seminars, visits ...

Orientation session

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SCHEDULE

Period	Assessment activities	Case study	Group presentation	Tutorials
2# Fortnight	0,0	2,0	0,0	0,0
3# Fortnight	0,0	3,0	0,0	0,0
4# Fortnight	0,0	3,0	2,0	0,0
5# Fortnight	0,0	3,0	2,0	1,0
6# Fortnight	0,0	3,0	2,0	0,0
7# Fortnight	0,0	3,0	2,0	0,0
8# Fortnight	1,0	3,0	0,0	0,0
Total hours:	1,0	20,0	8,0	1,0

The methodological strategies and the evaluation system contemplated in this Course Description will be adapted according to the needs presented by students with disabilities and special educational needs in the cases that are required.

CONTINGENCY PLAN: CASE SCENARIO A

Case scenario A will correspond to a diminished on-site academic activity due to social distancing measures affecting the permitted capacity of classrooms.

METHODOLOGY

General clarifications on the methodology on case scenario A

A multimodal (hybrid) teaching system will be adopted, combining both on-site and remote classes via videoconference (synchronous) that will be held in the timetable approved by the corresponding Faculty or School. The time distribution of teaching activities (both on-site and remote) will be decided by the aforementioned Faculties and Schools bearing in mind the permitted capacity of classrooms and social distancing measures as established at that time.

Individual adjustments will be made for part time students.

If due to COVI19, the presence of students would be restricted, lectures will be taught online using Moodle.

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EVALUATION

Intended learning	Case Studies	Exams	Oral Presentation
CE33	X	X	X
CT1	X	X	
CT2	X		
CT3	X	X	X
CT4	X	X	
CT5	X	X	X
CT6			X
CT7			X
CT8	X	X	X
CU1			X
CU2			X
CU3	X		
Total (100%)	33%	34%	33%
Minimum grade	3	3	3

(*)Minimum mark (out of 10) needed for the assessment tool to be weighted in the course final mark. In any case, final mark must be 5,0 or higher to pass the course.

Method of assessment of attendance (Scenario A):

33%

General clarifications on instruments for evaluation (Scenario A):

In addition to considering the attendance, the students will have to prepare presentations that will be discussed in class and there will be an exam at the end of the course.

The marks obtained in each evaluation category (attendance, presentations and exam) will be valid for one academic year.

If due to COVID 19, the presence of students were restricted, evaluation will be carried out online using Moodle.

Clarifications on the methodology for part-time students and students with disabilities and special educational needs (Scenario A):

The peculiarities of these students will be taken into consideration.

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CONTINGENCY PLAN: CASE SCENARIO B

Case scenario B will bring about a suspension of all on-site academic activities as a consequence of health measures.

METHODOLOGY

General clarifications on the methodology on case scenario B

On-site teaching activities will be held via videoconference (synchronous) in the timetable approved by the corresponding Faculty or School. Alternative activities will be proposed for reduced groups in order to guarantee the acquisition of course competences.

Individual adjustments will be made for part time students.

If due to COVID-19, the presence of students would be restricted, lectures will be taught online using Moodle.

EVALUATION

Intended learning	Case Studies	Exams	Oral Presentation
CE33	X	X	X
CT1	X	X	
CT2	X		
CT3	X	X	X
CT4	X	X	
CT5	X	X	X
CT6			X
CT7			X
CT8	X	X	X
CU1			X
CU2			X
CU3	X		
Total (100%)	33%	34%	33%
Minimum grade	3	3	3

(*)Minimum mark (out of 10) needed for the assessment tool to be weighted in the course final mark. In any case, final mark must be 5,0 or higher to pass the course.

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Moodle Tools	Case Studies	Exams	Oral Presentation
Assessment rubric		X	
Attendance	X		
Chat	X		
Forum		X	
Group selection			X
HotPot	X		
Participation	X		
Questionnaire	X		
Surveys and predefined surveys		X	
Synchronous tests via videoconference	X		X
Task	X		
Videoconference			X
Workshops	X		

Method of assessment of attendance (Scenario B):

33%

General clarifications on instruments for evaluation (Scenario B):

In addition to considering the attendance, the students will have to prepare presentations that will be discussed in class and there will be an exam at the end of the course.

The marks obtained in each evaluation category (attendance, presentations and exam) will be valid for one academic year.

If due to COVID 19, the presence of students were restricted, evaluation will be carried out online using Moodle.

Clarifications on the methodology for part-time students and students with disabilities and special educational needs (Scenario B):

The peculiarities of these students will be taken into consideration.

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