



UNIVERSIDADE DE LISBOA
Faculdade de Medicina Veterinária

Equine Clinics

Curricular Year: 5th

Duration: Annual

Credits: 10 ECTS

Teachers: Luis Pardon Lamas (CCP e R), Mariana Magalhães, Paula Tilley, Teresa Rosa.

Contact Hours: 250H Total.

38H Lectures; 312H Practical and laboratory teaching; 8H Tutorial Guidance; 5H Assessment

Learning objectives:

This course aims to develop essential competencies for clinical practice in equines. Students will learn effective communication skills respecting privacy and confidentiality, how to obtain a detailed clinical history, complete physical examinations and adapt these to different clinical situations. Students will also practice appropriate selection and interpretation of diagnostic tests and be equipped to handle emergencies, use diagnostic equipment, perform aseptic procedures, and manage pain effectively. Additionally, they will acquire experience in integrating multidisciplinary teams, prepare detailed clinical records, perform euthanasia ethically and safely, and apply One Health concepts in clinical practice. The unit also emphasizes the importance of adapting knowledge to various socio-economic contexts and different clinical environments with the goal of preparing the student with the necessary day one skills of an equine veterinary surgeon.

Program contents:

Clinical Rotations: Case-Based Teaching Approach (150h)

Practical Contact Sessions (30h)

Clinical Records (Case-log) (5h)

Theoretical-Practical Seminars (32h)

Problem-Based Learning (PBL)

1. The horse that is losing weight
2. The pruritic horse
3. The coughing horse
4. The horse with performance loss (medical issues)
5. The horse with performance loss (orthopaedic problems)
6. The head-shaking horse
7. Wound management
8. The horse with diarrhoea
9. Approach to the horse in colic
10. The neonatal foal
11. The febrile horse
12. The geriatric horse
13. Examination and advice in buying a horse



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14. The non-weight bearing horse
15. The horse with an eye injury
16. The horse that drinks or urinates excessively

Resolution of Virtual Cases (3h)

Bibliography:

Main

1. Manual de Cirurgia e Urgências de Equinos, L.Lamas, 1st Edition
2. Equine Medicine, Surgery and Reproduction, Ed. G. Munroe

Secondary

1. Equine Internal Medicine, Ed S Reed and W. Bayly and D. Sellon
2. Equine Surgery, Ed. Auer and Stick
3. Clinical Radiology of the Horse, Ed J Butler, C Colles, S. Dyson, S. Kold, P. Poulos
4. Atlas of Equine Ultrasonography, Ed. J Kidd, K. Lu, M. Frazer

Assessment:

This assessment takes place throughout the year, particularly during the rotation period, and will account for 40% of the final grade. This component assesses not only students' knowledge and technical skills but also their interest, commitment, and understanding.

Continuous Evaluation / Feedback and Feedforward (CEFF):

After each rotation, students will be assessed using a set of attributes aligned with an outcome-based competency framework. The three main categories of attributes are: universal attributes; specialized attributes; and service-specific attributes.

Performance in each attribute will be scored on a five-point scale:

Level 1: Insecure / Inadequate

Level 2: Emerging

Level 3: Progressing

Level 4: Competent

Level 5: Proficient

Students must successfully complete all rotations (achieving > Level 3).

Digital platform-based quizzes may be given at the discretion of the clinical rotation service lead to assess specific knowledge and progress.

Clinical Case Log (CCL):

All cases encountered during rotations must be recorded, with the student being the primary participant in 10 of them, as documented in their case-log book. The selected cases must demonstrate the student's competence in managing a variety of conditions or situations commonly seen within their area of practice.



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Completion of virtual clinical cases provides students with an opportunity to apply theoretical knowledge to simulated scenarios that reflect the complexity of real-life cases and help prepare them for the theoretical-practical exam.

Quantitatively, the practical component will be weighted as follows:

Interest, performance, and attendance during clinical rotations and hands-on sessions: 60%

Clinical case log: 20%

Virtual case resolution: 20%

Theoretical Component: Final Assessment

The theoretical component (TC) represents the remaining 60% of the final grade. This component will include two exams: a multiple-choice theory exam with 50 questions and a practical exam on clinical cases and scenarios (CTP).

Thus, the final grade will be calculated using the following formula:

$$\text{Final grade} = 0.6T + 0.4P$$