

<b>Updated On</b>	2024/03/21																																
<b>Curricular Year / Period</b>	2023/24 / S2																																
<b>Course</b>	Veterinary Nursing																																
<b>Curricular Unit</b>	Nursing in Production Animal Clinic																																
<b>Language(s) of Instruction</b>	Portuguese. Not applicable!																																
<b>ECTS/tempo de trabalho (horas)</b>	<table border="1"> <thead> <tr> <th>ECTS</th><th>Total</th><th colspan="8">Horas de contacto semestral</th></tr> <tr> <th>6</th><th>160</th><th>T</th><th>TP</th><th>PL</th><th>S</th><th>TC</th><th>E</th><th>O</th><th>OT</th><th>EC</th></tr> </thead> <tbody> <tr> <td></td><td></td><td>32</td><td>0</td><td>32</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </tbody> </table> <p>T - Theoretical; TP - Theoretical and practical; LP - Laboratory Practice; S - Seminar; TG - Tutorial guidance; FW - Fieldwork; T - Training; ; EC - Clinical teaching; O* - Other hours typified as Clinical Training under the Directive 77/453/EEC of June 27, adapted by Directive 2005/36/EC.</p>	ECTS	Total	Horas de contacto semestral								6	160	T	TP	PL	S	TC	E	O	OT	EC			32	0	32	0	0	0	0	0	0
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		32	0	32	0	0	0	0	0	0																							
<b>Teacher in charge (GDPR consent)</b> [complete name, email]	Miguel Da Gama Minas / mminas@ipportalegre.pt																																
<b>Prerequisites</b> [Curricular Units that must precede and specific entry competences]	Not applicable.																																
<b>Learning outcomes</b> [Description of the overall and specific objectives] [Knowledge, skills and competences to be developed by students]	Train students to assist clinical activity and provide them with the skills to perform certain tasks in the medical clinic and outpatient farm animals such as running animal sanitation campaigns under the national animal health plan, therapy administration, patient monitoring hospitalized, laboratory support, assistance in reproduction and obstetrics, participation in the execution of diagnostic aids, surgery assistant, wound management and manipulation, medical and sanitary prophylaxis, etc. Train students in solving clinical cases, according to 3 components: 1 Clinical training and execution of the prescribed therapy. 2 Identification of group problems and collaboration in the implementation and execution of a Health Program with a view to its resolution. 3 - Execution of mechanical tasks of veterinary nursing.																																
<b>Sustainable Development Goals</b>																																	
<b>Syllabus</b>	<p><b>THEORETICAL-PRACTICAL CLASSES:</b> 1. Basics of handling and animal restraint. Safety conditions in clinical practice. Principles of identification of farm animals 2. Clinical examination of large and small ruminants. 3. National animal health plan and animal health eradication plans (eradication of zoonoses) 4. Complementary exams in farm animals. 5. Clinical nursing in adult bovine: reproduction and obstetrics, mastitis, weight loss and lack of milk production, podiatry, clinical toxicology, sudden death. 6. Clinical nursing in calves: neonatology, colostrum management, main pathologies of neonates, early nutrition and weaning management, principles of fluid therapy. 7. Basic notions of biosafety in livestock farms (farm-to-fork concept).</p> <p><b>PRACTICES:</b> Division of students into small groups (maximum 5 students/group) who will travel with the teacher to livestock farms in neighboring municipalities, where they will be able to perform various tasks such as sanitation campaigns, general condition examinations in farm animals, immunoprophylaxis and systemic deworming, drug administration, wound care, reproductive management, clinical analysis, participation in necropsies, etc. Participation in field emergencies in farm animals. Treatment, follow-up and monitoring of sick/hospitalized animals on livestock. Participation in the official identification of farm animals. Contact with technological and precision tools to support livestock production.</p>																																
<b>Teaching methodologies (including assessment)</b> [Specify the types of assessment and the weights and evaluation criteria]	<p><b>1 - Teaching methodologies</b></p> <p>Theoretical classes in which the concepts are introduced and the fundamentals of the topics to be discussed are explained with the desired level of detail, and practical classes and fieldwork in which the theoretical concepts are applied and demonstrated. These will be organized in groups, by dividing the students by the different shifts, in a pre-defined number by the UC professor.</p> <p><b>2 - Period assessment</b></p>																																

	<p>Theoretical mid-term evaluation (60% of the final grade of the UC), written, during the academic semester and on a date previously scheduled by teacher and students. Minimum score of 9.5 for use in this component.</p> <p>Practical assessment of the UC: written test of knowledge assessment (50% of the practical grade) + practical grade (50% of the practical grade of the UC).</p> <p>The practical grade is a grade given to the practical group of students and reflects the performance of students during field trips (interest, work capacity, availability, interpersonal communication, team work, etc.).</p> <p>Final grade: classification of the theoretical evaluation component (40%) + practical component classification (40%)</p> <p>Mandatory attendance of 75% of teaching activities (Student Workers will be governed by their special status).</p> <p><b>3 - Examination assesement</b></p> <p>Practical classification (40% of the final grade): laboratory practical test that counts 50% for the final grade + practical grade of the field weeks (50%). Minimum grade allowed in each practical component is 9.5 points.</p>
<b>Bibliography</b>	<p><b>1 - Main Bibliography</b></p> <p>Notes provided by the teacher.</p> <p>SMITH, BP (2002). Large Animal Internal Medicine. 3rd Edition. Mosby. St. Louis. Missouri.</p> <p>DIVERS T, PEEK S. (2008). Diseases of Dairy Cattle. 2nd Edition. Saunders. Elsevier. St. Louis: Missouri.</p> <p>STILWELL, G. (2013) Cattle Clinic. Special edition for Bayer.</p> <p>BENTZ, AI, JAVSICAS, LH, GARBER, JRO, et al (2014) Clinical Textbook for Veterinary Technicians. 8th Edition. Missouri</p> <p>HOLTGREW-BOHLING, K (2012) Large Animal Clinical Procedures for Veterinary Technicians. 2nd Edition. United States, Elsevier</p> <p><b>2 - Complementary Bibliography</b></p> <p>ENDRIKSON, DA (2007). Techniques in Large Animal Surgery. 3rd Edition. Blackwell Publishing. Colorado. USA. HOWARD AND SMITH (1999). Current Veterinary Therapy 4, Food Animal Practice, W.B. Saunders.</p> <p>RADOSTITS, OM; MAYHEW, IG; HOUSTON, DM (2000). Exame Clínico e Diagnóstico em Veterinária. Guanabara Koogan: Rio de Janeiro. Brazil</p> <p>RADOSTITS, L (1994) Herd Health, Food Animal Production Medicine, 2a ed., W.B. Saunders Company. RADOSTITS B, GAY C, BLOOD D, HINCHCLIFF K (1994) Veterinary Medicine: a textbook of the diseases of cattle, sheep, pigs, goat and horses, 8a edição, Baillière Tindall.</p> <p>REBHUN, WC (1995)., Diseases of Dairy Cattle, Williams &amp; Wilkins.</p> <p>ROSEMBERGER, G. (1979). Clinical Examination of Cattle. Verlag Paul Parey</p>
<b>Special Situations</b> [Students with special status]	<p><b>1 - Period assessment - Students with special status</b></p> <p><b>2 - Examination assesement - Students with special status</b></p>