

<b>Updated On</b>	2024/02/12																																	
<b>Curricular Year / Period</b>	2023/24 / S1																																	
<b>Course</b>	Veterinary Nursing																																	
<b>Curricular Unit</b>	Introduction to Pharmacology																																	
<b>Language(s) of Instruction</b>	Português N/A																																	
<b>ECTS/tempo de trabalho (horas)</b>	<table border="1"> <thead> <tr> <th>ECTS</th><th>Total</th><th colspan="9">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
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																								
<b>Teacher in charge (GDPR consent)</b> [complete name, email]	Lina Luis Salgueiro Costa / lina_costa@ipportalegre.pt																																	
<b>Teacher in charge (GDPR consent)</b> [complete name, email]	Ricardo David Tomás De Oliveira / ricardooliveira@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]	The Introduction to Pharmacology syllabus is intended to provide the veterinary nurse the theoretical tools for the recognition of the main groups of drugs, their indications and contraindications, as well as the theoretical and practical knowledge of the main routes of administration of drugs in MV. Acquire skills in distinguishing the different valencies of veterinary pharmacology. To acquire knowledge about concepts, definitions and fundamentals of pharmacology. To acquire knowledge of pharmacokinetics and pharmacodynamics. To acquire skills and knowledge on the different routes of administration of drugs in MV. Develop drug delivery capabilities through different routes. Acquire recognition capacity of the main groups of drugs and therapeutics applied in MV, its main indications and contraindications. Acquire knowledge of veterinary toxicology. To acquire knowledge of the legal obligations in veterinary pharmacovigilance, control of residues and use of medicines in livestock animals.																																	
<b>Sustainable Development Goals</b>																																		
<b>Syllabus</b>	Theoretical classes: General concepts Therapeutic forms of administration in domestic animal. Anti-inflammatory drugs and topical therapeutic. Ethiotropic drugs Quimiotherapeutical drugs. Antibacterial drugs Antibiotics. Antifungal drugs. Antiparasitary drugs. Antiviral drugs. Organotropic drugs: Central nervous system drugs. Autonomous nervous system drugs. Motor plate drugs. Cardiovascular system drugs. Respiratory system drugs. Gastrointestinal tract drugs. Urinary system drugs. Genital system drugs. Veterinary Toxicology. Practical techniques: Drug administration techniques in domestic animals. Pharmaceutical forms in veterinary science. Manipulation and administration of biological products. Manipulation and administration of cytostatic drugs. Animal contention. Tables and calculus in veterinary medicine.																																	
<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 and practical classes with manual written support and presentation of images / videos. Demonstration of techniques and attitudes in the medical clinic of the area pets. Continued participation of students in scientific conceptual clarification of doubts.</p> <p><b>2 - Period assessment</b></p> <p>Assessment methodologies:</p>																																	

	<p><b>THEORETICAL ASSESSMENT:</b> Written assessment in frequency (1 to 2 per semester. Minimum grade 9.5 values. 60%.</p> <p><b>PRACTICAL EVALUATION:</b> Mandatory attendance at 75% of PL classes with group work under the guidance of the teacher (15%) and oral exam to evaluate the practical component (on practical classes topics). Minimum grade 9.5 values. 25%.</p> <p><b>3 - Examination assesement</b></p> <p>Assessment methodologies:</p> <p><b>THEORETICAL EXAMINATION:</b> Written assessment during the exam period. Minimum grade 9.5 values. 60%.</p> <p><b>PRACTICAL EVALUATION:</b> Mandatory attendance at 75% of PL classes with group work under the guidance of the teacher (15%) and oral exam (on practical classes topics) (25%). Minimum grade 9.5 values.</p>
<b>Bibliography</b>	<p><b>1 - Main Bibliography</b></p> <p>Classes provided by the teacher in sebenta format.</p> <p>Robert W. Kirk; (1997). Actualização Terapêutica Veterinária em Pequenos Animais, Editora Manole.</p> <p>Frank Alexander, Introduccion a la Farmacologia Veterinaria, Editorial ACRIBIA.</p> <p>Joanna M. Bassert, John A. Thomas. (2015) Clinical Textbook for Veterinary Technicians, eight edition, ELSEVIER.</p> <p>Spinosa, Helenice de Souza; Górnaiak, Silvana Lima; Bernardi, Maria Martha (2014) Farmacologia aplicada à Medicina Veterinária. 5th edition. Rio de Janeiro. Guanabara Koogan</p> <p>Thurmon, John C; Tranquilli, William J; Benson, G. John. (2002) Fundamentos de anestesia y analgesia en pequeños animales. Barcelona. Editorial Masson</p> <p><b>2 - Complementary Bibliography</b></p> <p>M. Frimmer. Farmacologia y Toxicologia Veterinaria, Editorial ACRIBIA.</p> <p>Resources available in the Online Knowledge Library (b-On).</p>
<b>Special Situations</b> [Students with special status]	<p><b>1 - Period assessment - Students with special status</b></p> <p>Student worker:</p> <p><b>THEORETICAL ASSESSMENT:</b> Written assessment in frequency (1 to 2 per semester. Minimum grade 9.5 values. 60%.</p> <p><b>PRACTICAL EVALUATION:</b> Oral test to evaluate the practical component (if it is not possible to attend practical classes and/or carry out the research work) 40%.</p> <p><b>2 - Examination assesement - Students with special status</b></p> <p>Student worker: Oral test to evaluate the theoretical and practical component (if it is not possible to attend theoretical and practical classes and/or carry out research work and interim evaluations) 100%.</p>