



Job description

Faculty	University of Life Sciences „King Mihai I” from Timisoara Faculty of Veterinary Medicine
Department	III – Clinical teaching II
Position in the staff list	7/III
Position	Professor
Subjects in the curriculum	Pharmacie, Pharmacologie 1, Therapeutique, Farmacie, Farmacologie 2, Terapeutică
Scientific field	Biological and biomedical sciences, Veterinary medicine
Topics of the competition tests	1. Solid pharmaceutical forms. Powders and pharmaceutical forms made from powders. Classification, preparation, powder division, sifting. Pharmaceutical forms obtained from agglomerated powders. Tablets and dragées: classification, advantages, disadvantages, components, preparation, defects, quality control. 2. Semiliquid pharmaceutical forms. Electuaries. Ointments. Pastes. Plasters. Liniments, creams, etc. Presentation of specific preparations. 3. Liquid pharmaceutical forms. Pharmaceutical solution preparation: molecular, colloidal, mechanical dispersions. Extractive solutions: mixtures, macerates, infusions, decoctions, emulsions, mucilages, tinctures, alcoholates, syrups, aromatic waters, liquors, etc. Injectable forms. Aerosols. Penetration and absorption. Classification. Expulsion of aerosols. 4. Factors influencing the stability and preservability of medicines (internal, external). 5. Elements of biopharmaceutics. 6. Main therapeutic techniques: principles of physiotherapy, electrotherapy, laser therapy, magnetotherapy in animals. 7. Main therapeutic techniques: principles of thermotherapy, cryotherapy, oxygen therapy, hydrotherapy, and heliotherapy in animals. 8. Main therapeutic techniques: principles of phytotherapy in animals. 9. Antiseptic and disinfectant substances. 10. Antibiotics. 11. Substances that act on the digestive tract.



	12. Substances acting on the respiratory system. 13. Routes of administration and drug absorption in the body. 14. Drug elimination and their accumulation in the body. Elimination pathways: renal, digestive, biliary, respiratory tract, skin, mammary, egg. 15. Main therapeutic techniques: principles of phytotherapy in animals. 16. Main therapeutic techniques: principles of thermotherapy, cryotherapy, oxygen therapy, hydrotherapy, heliotherapy in animals. 17. Factors that influence the stability and consistency of medicines (internal, external). 18. Liquid medicinal forms. REFERENCES 1. Cristina R.T., Eugenia Dumitrescu (2013)- Elemente de farmacie pentru medicii veterinari, Brumar, Timisoara 2. Cristina R.T., P.A. Darău. (2005) Biotehnologii farmaceutice și Industrializarea medicamentului de uz veterinar. Vasile Goldiș Univ. Press, Arad. 3. Cristina R.T. (2004) Bazele farmacologiei veterinare. 4. R.T. Cristina, Teușdea V., Ghid de farmacie și terapeutică veterinară, Brumar Timișoara, 2008 5. R.T. Cristina, Viorica Chiurciu, Elemente de farmacovigilenta și toxicovigilenta în medicina veterinară, Brumar Timișoara, 2010. 6. R.T. Cristina Introducere în farmacologia și farmacia veterinară , Solness Timișoara, 2006 (10) 973-729-064-X; I; (13) 978-973-729-064-9 7. Plumb D.C. Veterinary drug handbook, Ed. Blackwell publishing, 6 Edition, 2008 8. R. Adams, Veterinary pharmacology and therapeutics, Ed Iowa State, 8 edition, University Press,, 2001 9. Riviere, J.E., Papich, M.G. Veterinary pharmacology & therapeutics. Ed. Blackwell publishing, 2009
Address where the competition file is sent	Secretariat of the Faculty of Veterinary Medicine, Calea Aradului no. 119, postal code 300645