SYLLABUS for Subject PHARMACOLOGY II (sem VII)

Basic information about the subject	
Academic Unit:	University of Prishtina "Hasan Prishtina", Agriculture and Veterinary Faculty
Subject Title:	Pharmacology II
Level:	Veterinary Medicine
Subject Status:	Compulsory
Study year:	Year III, sem VI
Number of hours per week:	2+2(30/30)
Value in ECTS credit:	5
Time / location:	Agriculture and Veterinary Faculty
Subject Instructor:	Dr.sc Mentor Alishani, Prof.ass
Contact details:	University of Prishtina "Hasan Prishtina", Faculty of Agriculture and Veterinary e-mail: mentor/alishani@uni-pr.edu Tel: 00 383 44 161 060
Course description	The subject of Pharmacology II is considered as intermediate between clinical and pre-clinical subjects, enabling students to know about doses, overdose and different groups of vitamins, antibiotics, disinfectants, antifungal and anti-parasite actions, etc.
Course objective:	Veterinary Pharmacology II enables students to have a deep knowledge of how a veterinary practitioner will act in various clinical cases for various infectious and parasitic diseases and in various general cases.
Learning outcomes:	After completing this subject, students will have the opportunity to have in-depth knowledge of antibiotics and various chemotherapists on the operation of different cases that a veterinarian will have in the clinic in the near future.

Contribution towards student burden (which should correspond with student learning results)			
Activity	**Hour**	**Day/week**	**Total**
Lectures	2	15	30
Theoretical exercises/laboratory	2	15	30
Practical work	0	0	0
Contact with instructor/consultations	1	15	15
Field exercises	1	5	5
Colloquium, seminars	2	2	4
Home work	0	0	0

Student Self study time(in library or home)	1	15	15
Final exam preparation	1	15	15
Evaluation time last (tests, quiz final exam)	3	3	9
Projects, presentations, etc	2	1	2
Total			**125**
Teaching Methods:	Theoretical lectures, interactive approaches, consultations, laboratory exercises, practical work on farm and field, seminars, discussion, group work. Use of contemporary audio-visual tools for lectures and concrete learning.		
Assessment Methods:	Methods of assessment: 40% two colloquium in writing during lectures, 10% evaluation of oral presentations during seminars, 10% estimate of attendance at the end of the course. 40% final exams		
Literature			
	F.Selami. *Farmakologjia me bazat e farmakologjisë klinike veterinare*. Ed. i parë. Kumi, 2017. Nefail Biba. *Farmakologjia veterinare me bazat e toksikologjisë*, ed i parë. Mokra, 2007. A.Rama, F.Selami. *Farmakografia veterinare me baza të farmakoterapisë*. Ed i parë. Pegi, 2011. Bassert JM, McCurnin DM. *Clinical Textbook for Veterinary Technicians.* 7th ed. St. Louis: Elsevier, 2010. Bill, R. *Medical Mathematics and Dosage Calculations for Veterinary Professionals*, 2nd ed. Ames, IA:Wiley-Blackwell, 2009. Colville T, Bassert JM. *Clinical Anatomy & Physiology for Veterinary Technicians.* 2nd ed. St.Louis: Mosby, 2008. Colville T, Bassert JM. *Clinical Anatomy & Physiology Laboratory Manual for Veterinary Technicians.* St. Louis: Mosby, 2009. *Dorland's Pocket Medical Dictionary*, 28th ed. Philadelphia:Saunders, 2008. Wanamaker BP, Massey KL. *Applied Pharmacology for Veterinary Technicians*, 4th ed. St. Louis:Saunders, 2009. Supplemental/Recommended Textbook(s) and Materials::		

	Allen DG. *Handbook of Veterinary Drugs*, 3rd ed. Ames, IA:Wiley-Blackwell, 2005 Plumb DC. *Plumb's Veterinary Drug Handbook,* 7th ed. Ames, IA:Wiley-Blackwell, 2011.
Additional Literature:	

Designed teaching plan:	
Week	**Lectures that will be proceeded**
Week one:	Vitamins: Fat soluble vitamins. Vitamin A, D, E, K.
Week two:	Vitamins: Water soluble vitamins. Vitamin B (B1, B2, B3, B5, B7, B9, B12) and Vitamin C.
Week three:	Introduction to chemotherapy: Classification, resistance and choice of chemo-antibiotic. Associations between antibiotics.
Week four:	Antibiotic Group: Beta-lactam.
Week five:	Group of antibiotics: Aminoglucosides.
Week six:	Antibiotic group: Macrolides,
Week seven:	First Assessment. Colloquium I
Week eight:	Antibiotic group: Lincosamides.
Week nine:	Antibiotic group: Tetracyclines.
Week ten:	Antibiotic group: Chloramphenicol.
Week eleven:	Antibiotic group: Quinolones and Fluoroquinolones.
Week twelve:	Antibiotic group: Sulfonamides.
Week thirteen:	Antibiotic group: Diaminopyrimidines,
Week fourteen:	Antibiotic group: Nitrofurantoin, Nitroimidiazole.
Week fifteen:	Second Assessment. Colloquium II
Topic of the practicals	
Week	**Exercises to be held**
Week one:	The routes of application of vitamins. Clinical pharmacology and fat-soluble vitamins.
Week two:	The routes of application of vitamins. Clinical pharmacology and water-soluble vitamins.
Week three:	Introduction to chemotherapy. Chemotherapy experiments.
Week four:	Clinical pharmacology and use of the Beta-Lactam antibiotic group.
Week five:	Clinical pharmacology and use of antibiotic group Aminoglycosides.
Week six:	Clinical pharmacology and use of the antibiotic group Macrolides.
Week seven:	Different direct applications to animals in the experimental FBV farm
Week eight:	Clinical Pharmacology and Use of Antibiotic Group Lincosamides.
Week nine	Clinical Pharmacology and Use of Antibiotic Group

	Tetracyclines.
Week ten:	Clinical pharmacology and use of antibiotic group Chloramphenicol.
Week eleven:	Clinical pharmacology and the use of the antibiotic group quinolones and Fluoroquinolones.
Week twelve:	Clinical Pharmacology and Use of Antibiotic Group Sulfonamides.
Week thirteen:	Clinical Pharmacology and Use of Antibiotic Group Diaminopyrimidines,
Week fourteen:	Clinical pharmacology and use of antibiotic group Nitrofurantoin, Nitroimidiazole.
Week fifteen:	Different direct applications to animals in the experimental FBV farm

Academic policies and rules of conduct:
Set conduct policies conform UP status. ***Keeping curriculum presented in syllabus, presentation of additional information, addressing of current and emergent thematic.*** **- Regular attendance in lectures and exercises;** **- Politeness' rules like: calmness and listening during the lectures;** **- Presence in class on time;** **- Mobile phone switches of.**