AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Chemotherapy of Neoplastic Diseases in Veterinary Medicine								
Course Code	VFT656		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	4	Workload	100 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	To learn the description of the neoplastic diseases in veterinary medicine and usage of neoplastic drugs and relations with oher chemical substances, their mode of actions, related structure and effects, basic clinical usage.								
Course Content	Description of the most important neoplastic diseseses in veterinary medicine and usage of neoplastic drugs and relations with oher chemical substances, their mode of actions, related structure and effects, basic clinical usage are examined.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Riviere J., Papich M.G. (2009). Veterinary Pharmacology and Therapeutics, 9th Ed., Wiley – Blackwell Publication
2	Brunton L., Parker K., Blumenthal D., Buxton L. (2008). Goodman & Gilman's Manual of Pharmacology and Therapeutics, Mc Graw Hill Press
3	Toutain P-L, Ferran A, Bousquet-Mélou A. (2010). Species Differences in Pharmacokinetics and Pharmacodynamics. Comparative and Veterinary Pharmacology. In: Cunningham F, Elliott J, Lees P, editors: Springer Berlin Heidelberg.
4	Riviere J., Papich M.G. (2009). Veterinary Pharmacology and Therapeutics, 9th Ed., Wiley – Blackwell Publication

Week	Weekly Detailed Course Contents	
2	Theoretical	Treatment perspectives
3	Theoretical	Cancer biology: cell cycle and tumor growth rate
4	Theoretical	Cancer biology: chemotherapy of cancer cell
5	Theoretical	Cancer biology: drug dosage and toxicity
6	Theoretical	Cancer biology: therapist safety
7	Intermediate Exam	Midterm exam
8	Theoretical	Cancer biology: resistance and selection of regimens
9	Theoretical	Cancer biology: multimodal therapy and combination chemotherapy
10	Theoretical	Drugs: alkylating agents and antimetabolites
11	Theoretical	Drugs: natural products
12	Theoretical	Drugs: hormones and antagonists
13	Theoretical	Drugs: cyclooxygenase inhibiotrs and miscellanous agents
14	Theoretical	Drugs: new approaches and investigational compounds
15	Theoretical	Generally assessment
16	Final Exam	Final

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Individual Work	10	2	1	30
Midterm Examination	1	20	1	21

Final Examination	1	20	1	21
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To learn the cancer biology
2	To learn the treatment perspectives
3	To learn the neoplastic drugs
4	To find out and use resources about the profession in the area.
5	To give lectures and/or presentations and discuss with professionals in the area.

Programme Outcomes *(Pharmacology and Toxicology (Veterinary Medicine) Doctorate)*	
1	Gains expert knowledge on field of pharmacology and toxicology in veterinary medicine and, gains expert knowledge on interdisciplinary interaction in pharmacology and toxicology
2	To be equipped with the knowledge to develop original ideas about necessary issues in the field by using of both graduate and expertise levels knowledge, to be able to develop original definitions, products and diagnostic procedures, etc. via deepening and questioning these knowledge.
3	Develops and uses strategies in his/her field of expertise in PhD Program of Pharmacology and Toxicology
4	Reviews, evaluates and interprets any data (field observations, available scientific information etc.) towards a specific purpose.
5	Gains expert knowledge on the function and basic pharmacological features of pharmacology and sub-branches of science, relationship between the drug and poison, pharmacokinetic, effects of the drugs, the dose-intensity and dose-effect relationship.
6	Gains expert knowledge on the function and basic toxicological features of poison, classifications and types of poisoning, toxicokinetic, general principles of treatment of poisoning.
7	Can offer training to technical staff who will work in pharmacology and toxicology laboratory
8	Reach to competence to prepare courses at the undergraduate level
9	Determines and uses laboratory equipment and consumables in a pharmacology and toxicology laboratory.
10	To be able to plan an interdisciplinary project and build team for the known or new defined problems and to manage and complete such a project when necessary.
11	To share his/her knowledge in the field with others by attending at field-related or other congresses, panels, symposiums, workshops, seminars, article discussions and problem solving sessions, etc., and to contribute to the solution in the team by establishing relations with the experts in different fields.
12	To contribute the scientific knowledge in the field via publications in national and international peer-reviewed scientific journals.
13	Takes roles in vocational organizations and institution.
14	Forms ideas to solve complex problems using theoretical and practical information gained throughout the pharmacology and toxicology education.
15	To adopt lifelong learning as a principle and acknowledge that the information gained through research is the most valuable gain.
16	Knows and protects rights of ideas and industrial property (patent right)

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	5	5	4		
P2	4	4	4	4	
P3	4	4	4	4	
P4	5	5	5		
P5	4	4	4		
P6	4	4	4		
P7	5	5	4		
P8	4	4	4		4
P9	4	4	4		
P10	5	5	5		
P11	4	4	4		5
P12	4	4	4	5	
P13	4	4	4		
P14	4	4	4		5
P15	5	5	5		

P16	4	4	4		