

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Metals and Other Inorganic Poisons							
Course Code	VFT624		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit 6	Workload	146 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course The harmful effects of metals and metal compounds on animals, and to give information a poisoning occurring organic substance						information about	non-metal	
Course Content	and can lead t molybdenum, fluorine and m inorganic com	o significant a nickel, antimo agnesium wit pounds such	arsenic, cadmony, cyanide, h substances as salt, the ra	ium, zinc, bismuth, b such as in adioactive	copper, mercu parium, silver, t norganic acid o material (radiu	iry, lead, co in, calcium, or caustic all m-226, urar	ollution of the envir pper, selenium, chromium, cobalt kalis, nitrate, nitrite nium-238, iodine-1 of impact types ar	, sulfur, e, 31,
Work Placement	N/A							
Planned Learning Activities	and Teaching I	Methods	Explanation	(Presenta	tion), Discussi	on, Individua	al Study	
Name of Lecturer(s)								

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

Recommended or Required Reading

Klaassen, C. (2008) Casarett & Doull's Toxicology: The Basic Science of Poisons, 7th Edition, McGraw-Hill Companies, USA.
Hayes, WA (2007) Prenciples and Methods of Toxicology, 5th Edition, Taylor and Francis, London.
Hodgson, E (2010) A textbook of modern toxicology, 4 th Edition, John Wiley and Sons, Inc., Hoboken, Canada.

Week	Weekly Detailed Course Contents						
1	Theoretical	General information about Metals					
2	Theoretical	Metals that make up the body's building blocks					
3	Theoretical	Izelements					
4	Theoretical	Creature of the elements of absorption, distribution					
5	Theoretical	Participating in events in the body elements					
6	Theoretical	Basic duties living thing formation of					
7	Theoretical	Evaluation					
8	Intermediate Exam	Midterm exam					
9	Theoretical	Poisonings occurring with elementsPoisonings occurring with elements					
10	Theoretical	Poisoning symptoms					
11	Theoretical	Treatment of poisonings					
12	Theoretical	Poisoning by organic substances					
13	Theoretical	Toxicity and treatment of organic substances					
14	Theoretical	Evaluation					
15	Theoretical	Discussion					
16	Final Exam	Final					

Workload Calculation						
Activity	Quantity	Preparation	Duration	Total Workload		
Lecture - Theory	14	2	2	56		
Assignment	6	2	2	24		
Individual Work	14	1	2	42		
Midterm Examination	1	8	2	10		



Final Examination	1		12	2	14	
Total Workload (Hours)						
[Total Workload (Hours) / 25*] = ECTS 6						
*25 hour workload is accepted as 1 ECTS						

Learr	ning Outcomes
1	Will have general information about metals
2	Will have information of organic poisons.
3	To learn detection and treatment of poisoning caused by organic substances
4	To learn knowledge and propose suggestions on the area.
_	To find out and use recovered shout the prefereign in the case

To find out and use resources about the profession in the area. Programme Outcomes (Pharmacology and Toxicology (Veterinary Medicine) Doctorate) Gains expert knowledge on field of pharmacology and toxicology in veterinary medicine and, gains expert knowledge on interdisciplinary interaction in pharmacology and toxicology 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 2 and questioning these knowledge. 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. 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 5 Gains expert knowledge on the function and basic toxicological features of poison, classifications and types of poisoning. 6 toxicokinetic, general principles of treatment of poisoning. Can offer training to technical staff who will work in pharmacology and toxicology laboratory 7 Reach to competence to prepare courses at the undergraduate level 8 9 Determines and uses laboratory equipment and consumables in a pharmacology and toxicology laboratory. To be able to plan an interdisciplinary project and build team for the known or new defined problems and to manage and 10 complete such a project when necessary. To share his/her knowledge in the field with others by attending at field-related or other congresses, panels, symposiums, 11 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. To contribute the scientific knowledge in the field via publications in national and international peer-reviewed scientific journals. 12 13 Takes roles in vocational organizations and institution. Forms ideas to solve complex problems using theoretical and practical information gained throughout the pharmacology and 14

To adopt lifelong learning as a principle and acknowledge that the information gained through research is the most valuable

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

Knows and protects rights of ideas and industrial property (patent right)

	L1	L2	L3	L4	L5
P1	5	4	5		
P2					4
P3				4	5
P4	4	5	4	5	
P6	5	5	4		
P8	4	5	5		
P11				4	
P12	5	4	5		4
P14	5	5	4	4	

toxicology education.

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