



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Forensic Toxicology							
Course Code		VFT655		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	145 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To learn the separation of poisons from biological milieus, diagnosis and evaluation of the important poisonings in human and animals.							
Course Content		Separation of poisons from biological milieus, diagnosis and evaluation of the important poisonings in human and animals are examined.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, 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	Sharma R.K. (2011). Concise Textbook of Forensic Medicine and Toxicology, 3rd Ed., Global Education Consultants, Uttar Pradesh.
2	Adams H.R. (1995). Veterinary Pharmacology and Therapeutics, Iowa University Press
3	Hayes, WA (2007) Principles and Methods of Toxicology, 5th Edition, Taylor and Francis, London.
4	Casarett & Doull's Toxicology - The Basic Science of Poison. McGraw-Hill Press

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction. Definition and history of forensic medicine
2	Theoretical	Legal procedures
3	Theoretical	Biological sample collecting and transport to laboratory
4	Theoretical	Identification, post mortem examination
5	Theoretical	Examination of decomposed and mutilated bodies, skeletal remains and exhumation
6	Theoretical	Examination of biological stains and hair
7	Intermediate Exam	Midterm exam
8	Theoretical	Post-mortem artefacts. Asphyxial, starvation, cold and heat deaths
9	Theoretical	Injuries from burns, scalds, lightning, electricity, mechanical violence, fire arm. Regional and traffic injuries
10	Theoretical	Medico-legal aspects of wounds and poisons
11	Theoretical	Corrosive poisoning
12	Theoretical	Irritant, neurotic, cerebral and cardiac poisons
13	Theoretical	Irrespirable gases. Food poisoning
14	Theoretical	Recent advances in crime detection
15	Theoretical	Generally assessment and analysis methods
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	4	10	2	48
Seminar	2	10	2	24
Individual Work	5	1	1	10
Midterm Examination	1	10	2	12



Final Examination	1	7	2	9
Total Workload (Hours)				145
[Total Workload (Hours) / 25*] = ECTS				6
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To learn the forensic medicine basics
2	To learn the process, analysis and detection about drug – poison separation from biological milieu
3	To learn the legal issues on forensic medicine
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	4	4	4		
P2	4	4	4	4	
P3	4	4	4	5	
P4	4	4	4		
P5	4	4	4		
P6	5	5	5		
P7	5	5	5		
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	5	5	5		5
P15	5	5	5		



P16	4	4	4		
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