



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Unfavorable Factors Originated Feedstuffs and Foodstuffs and Their Analysis							
Course Code		VFT643		Coure Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		Due to drug use, contaminated by residual analysis and related substances from food, feed and teach idendification.							
Course Content		Disadvantages arising from the use of drug, food origin, negative factors, nutrients and pollutants in the environment, feed and feed raw materials and production techniques, resulting from the preparation of drawbacks, some of the diets and nutritional value of organic matter who, mycotoxins such as the negative results of examination and discussion of factors.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

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

Week	Weekly Detailed Course Contents	
1	Theoretical	Source of food contamination
	Practice	Source of food contamination
2	Theoretical	Practices to prevent food contamination
	Practice	Practices to prevent food contamination
3	Theoretical	Disadvantages caused by drugs
	Practice	Disadvantages caused by drugs
4	Theoretical	Analysis of drug residues in food
	Practice	Analysis of drug residues in food
5	Theoretical	Mycotoxins in foods remains
	Practice	Mycotoxins analysis in foods remains - 1
6	Theoretical	Mycotoxin analysis of residues
	Practice	Mycotoxin analysis in remains - 2
7	Theoretical	Pesticide residues in food
	Practice	Pesticide analysis in food - 1
8	Intermediate Exam	Midterm exam
9	Theoretical	Analysis of pesticide residues
	Practice	Pesticide analysis in food - 2
10	Theoretical	Analysis of organophosphorus insecticides
	Practice	Analysis of organophosphorus insecticides
11	Theoretical	Analysis of organochlorine insecticides
	Practice	Analysis of organochlorine insecticides
12	Theoretical	Carbamate group of insecticides
	Practice	Analysis of other contaminants - 1



13	Theoretical	Other contaminants
	Practice	Analysis of other contaminants - 2
14	Theoretical	Other contaminants
	Practice	Analysis of other contaminants - 3
15	Theoretical	Discussion
	Practice	Discussion
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Lecture - Practice	15	1	2	45
Midterm Examination	1	12	1	13
Final Examination	1	13	1	14
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Analysis of pesticides, and learns to have knowledge about.
2	To obtain information on the analysis of mycotoxins and learns.
3	Other negative factors have knowledge and learns.
4	To learn knowledge and propose suggestions on 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	3	4			
P2				4	



P3	4	4		5	
P5	5	5	5		
P8	4	4	4		4
P11				5	5
P13		4			
P14	4	4	4	5	5

