

## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title Advanged Food Toxicology							
Course Code	VBH642	Couse L	evel	Third Cycle (Doctorate Degree)			
ECTS Credit 5 Workload 125 (Hou		fours) Theory	1	Practice	0	Laboratory	0
Objectives of the Course Structure, formation, sources of toxic compounds in foods; detection of adverse effects on health; mechanisms of action; The course aims to provide the students with information on methods and saf							
Course Content  Classification of toxic food copackaging materials, toxicold and international regulations							
Work Placement N/A							
Planned Learning Activities and Teaching Methods		s Explanat	tion (Presentat	tion), Discussio	on		
Name of Lecturer(s)							

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

Reco	mmended or Required Reading
1	Concon, J. M. 1988. Food Toxicology.
2	Marcel Dekker, NY. Moffat, C.M. and K. Whittle. 1999. Environmental Food Contaminants in Food.
3	CRC Press, Boca Raton, FL.Shibamoto, T. and L.F. Bjeldanes. 1993. Introduction to Food Toxicology. Academic Press, Hartcourt Brace & Com. San Diego
4	Steinhart, C.E., Doyle, M.E. and B.A. Cochrane. 1995. International Food Safety Handbook
5	Marcel Dekker, NY. Vries, de J. 1997. Food Safety and Toxicity. CRC Press, Boca Raton

Week	<b>Weekly Detailed Co</b>	urse Contents				
1	Theoretical	Definition and classification of toxic food ingredients				
2	Theoretical	Foodborne microbial and parasitic diseases and intoxications				
3	Theoretical	Foodborne microbial toxins and their identification				
4	Theoretical	Toxic compounds found in foods and their identification				
5	Theoretical	Pesticides and veterinary drugs				
6	Theoretical	Negative effects of food additives on health				
7	Theoretical	Toxicology of food additives				
8	Theoretical	Midterm exam				
9	Theoretical	Identification of heavy metals				
10	Theoretical	Other environmental contaminants				
11	Theoretical	Toxic compounds occured during food processing				
12	Theoretical	To learn the reliability of food packaging materials				
13	Theoretical	Criteria, methods and tests used in toxicological evaluation of foods				
14	Theoretical	Toxicological evaluation of genetic modification applications in newly developed foodstuffs				
15	Theoretical	Discussion				

Workload Calculation							
Activity	Quantity	Preparation	Duration	Total Workload			
Lecture - Theory	14	2	1	42			
Assignment	10	4	1	50			
Midterm Examination	1	10	1	11			



Final Examination	1		21	1	22	
Total Workload (Hours)					125	
[Total Workload (Hours) / 25*] = <b>ECTS</b>					5	
*25 hour workload is accepted as 1 ECTS						

Learn	ning Outcomes
1	To have knowledge about toxic foods and toxic compounds in foods
2	To learn foodborne microbial and parasitic toxic substances and to evaluate in terms of public health
3	Veterinary medicines, pesticides, the presence of environmental pollution in food and public health
4	To have knowledge about toxic substances transmitted during processing and packaging of foods and to learn and evaluate prevention measures
5	To be able to interpret toxic effects that may occur in newly developed foods and to apply prevention measures
6	To have knowledge about national and international measures in toxic assessments

Progra	amme Outcomes (Food Hygiene and Technology (Veterinary Medicine) Doctorate)
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## Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6
P1	5	5	5	5	5	5
P2	5	5	5	4	4	5
P3	5	5	5	5	5	5
P4	5	5	5	5	5	5
P5	4	4	4	5	5	5
P7	5	5	5	5	5	5
P9	5	5	5	5	5	5
P10	4	4	4	4	4	4
P13	5	5	5	4	5	5

