

DETERMINATION OF DRUG TOXICITY

1	Course Title:	DETERMINATION OF DRUG TOXICITY
2	Course Code:	VFR 6008
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	Determination of drug toxicity
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. HASAN HÜSEYİN ORUÇ
15	Course Lecturers:	Doç. Dr. H. Hüseyin ORUÇ
16	Contact information of the Course Coordinator:	oruc@uludag.edu.tr +90 224 2941321 Veteriner Fakültesi Farmakoloji ve Toksikoloji Anabilim Dalı 16059 Bursa
17	Website:	
18	Objective of the Course:	To educate qualified postgraduate students in the field of drug toxicities, types of toxicity, practise in laboratory animals.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To comprehend of toxicity of drugs and importance
	2	To understand approach of laboratory animals
	3	To comprehend differences among to toxicity types
	4	To plan according to toxicity study aim
	5	To know specific conditions during toxicity studies
	6	To interpret the toxicity study results
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Drug toxicity and importance	Introduction of toxicology laboratory
2	Toxicity, toxicity category	Introduction of instrument and equipments used in toxicology laboratory
3	Aim and target of toxicity tests	Introduction of instrument and equipments used in toxicology laboratory
4	Laboratory animals used in toxicity studies	Visiting to laboratory animal centre

5	Toxicity tests	Visiting to laboratory animal centre
6	Toxicity tests	Ethical rules and importance
7	Plan of toxicity studies	Make a plan for toxicology studies
8	Good laboratory practise in toxicology laboratories	Toxicity studies using some drugs on laboratory animals
9	Determination lethal doses of some drugs	Toxicity studies using some drugs on laboratory animals
10	Determination lethal doses of some drugs	Determination of LD50
11	Determination of toxicity and risk assesment	Determination of LD50
12	Specific conditions during toxicity studies	Risk assesment in toxicity studies
13	Assesment of toxicity test results	Risk assesment in toxicity studies
14	Assesment of toxicity test results	Assesment of practises

22	Textbooks, References and/or Other Materials:	<p>Gupta, R.C. (Ed.). Veterinary Toxicology. Amsterdam, Elsevier, 2007.</p> <p>L. F. M. van Zutphen , V. Baumans , A. C. Beynen. Principles of laboratory animal science. Amsterdam : Elsevier, 2005.</p> <p>Course Handbook. III. Congress and workshop of clinical and experimental research. 18-20 May, 2000, Kayseri, Türkiye.</p> <p>Evaluation of certain food additives : fifty-ninth report of the Joint FAO/WHO Expert Committee on Food Additives.</p>
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Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	1.00	14.00
Practicals/Labs		14	2.00	28.00
Self study and preperation		0	0.00	0.00
Homeworks		2	14.00	28.00
Projects	0	0.00	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams	1	50.00	0.00	0.00
Others		0	0.00	0.00
Final Exams		50.00	20.00	20.00
Contribution of Term (Year) Learning Activities to Total Work Load				90.00
Contribution of Final Exam to Success Grade		50.00		3.00
ECTS Credit of the Course				3.00

Measurement and Evaluation Techniques Used in the Course	
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24	ECTS / WORK LOAD TABLE
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	3	3	3	3	3	3	2	3	4	4	4	0	0	0	0
ÖK2	3	3	3	3	3	3	2	2	2	3	3	3	0	0	0	0
ÖK3	3	4	3	4	3	2	4	3	3	4	4	3	0	0	0	0

ÖK4	4	5	4	4	4	3	3	3	3	4	4	4	0	0	0	0
ÖK5	4	5	4	4	4	2	3	3	3	4	4	4	0	0	0	0
ÖK6	4	5	4	4	4	3	3	3	4	4	4	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							