

TERATOLOGY

1	Course Title:	TERATOLOGY
2	Course Code:	THE5017
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ZEHRA MİNBAY
15	Course Lecturers:	Prof. Dr. Zehra MİNBAY Doç. Dr. Berrin AVCI
16	Contact information of the Course Coordinator:	zminbay@uludag.edu.tr (224) 295 40 64 Bursa Uludağ Üniversitesi Tıp Fakültesi Histoloji ve Embriyoloji AD 16059 Nilüfer Bursa
17	Website:	
18	Objective of the Course:	Teach the causes of human developmental disorder, ensure that anomalies caused by environmental and genetic factors are known and teach what can be done to prevent congenital malformations or what should not be done.
19	Contribution of the Course to Professional Development:	This course is important in terms of gaining basic knowledge within the scope of in master degree education.
20	Learning Outcomes:	
	1	Explains the principles of teratology and the importance of developmental timing of exposure to teratogens
	2	Learn the genetic and environmental factors that cause congenital malformations
	3	Categorize teratogens and know their teratogenic effects
	4	Explain the concepts of aneuploidy, triploidy, and tetraploidy and the roles of mutant genes in causing birth defects
	5	Explain the difference between a malformation and a deformation
	6	Understand the importance of maternal health and its effects on offspring and learn the exposures to be avoided during and prior to pregnancy
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21	Course Content:	
	Course Content:	

Week	Theoretical	Practice
1	The meaning of teratology, the principles of teratology and critical periods of human development	
2	Birth defect prevalence, classification and causes of birth defects	
3	Birth defects caused by genetic factors 1	
4	Birth defects caused by genetic factors 2	
5	Drugs as teratogens 1 - Mechanisms of teratogenic effects of drugs	
6	Drugs as teratogens 2 - Teratogenic drugs	
7	Drugs as teratogens 3 - Teratogenic drugs	
8	Drugs as teratogens 4 – Specification of drug teratogenicity	
9	Infectious agents as teratogens	
10	Environmental chemicals, radiation, and ultrasonic waves as teratogens	
11	Maternal factors and mechanical factors as teratogens 1	
12	Maternal factors and mechanical factors as teratogens 2 and male-mediated teratogenesis	
13	Birth defects caused by multifactorial inheritance	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	2	14.00	14.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	2	14.00	14.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	14.00	14.00
Total Work Load			56.00
Total work load/ 30 hr			1.87
ECTS Credit of the Course			2.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	100.00
Total	1	100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
Total		100.00

Measurement and Evaluation Techniques Used in the Course	Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education.
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24	ECTS / WORK LOAD TABLE
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
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	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	4	0	0	0	5	0	0	4	4	0	0	0	0	0	0
ÖK2	5	4	0	0	0	5	0	0	4	4	0	0	0	0	0	0
ÖK3	5	4	0	0	0	5	0	0	4	4	0	0	0	0	0	0
ÖK4	5	4	0	0	0	5	0	0	4	4	0	0	0	0	0	0
ÖK5	5	4	0	0	0	5	0	0	4	4	0	0	0	0	0	0
ÖK6	5	4	0	0	0	5	0	0	4	4	0	0	0	0	0	0

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