

GENERAL EMBRYOLOGY

1	Course Title:	GENERAL EMBRYOLOGY	
2	Course Code:	TIP2003	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	1.00	
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:	Doç.Dr. BERRİN AVCI	
15	Course Lecturers:	Doç. Dr. Berrin Avcı, Prof. Dr. Sahin A. Sırmalı	
16	Contact information of the Course Coordinator:	berrin@uludag.edu.tr 224/2954071, 224/2952525 U.U.T.F.Histoloji ve Embriyoloji Anabilim Dalı	
17	Website:		
18	Objective of the Course:	To teach the initial stages of human life and the changes which occur during prenatal development. To teach the etiology and occurrence of congenital malformations.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Learn the process of development and maturation of male and female germ cells.
		2	Informed about the process of ovarian follicle development
		3	Check the steps of ovulation and fertilization.
		4	A knowledge of the stages and mechanisms involved in implantation.
		5	To be informed about bilaminar germ disk formation and development of other embryonic structures of the second week.
		6	Learn the process of development of trilaminar germ disc
		7	Notochord development and have an opinion on norulasyon.
		8	Learn the process of development of organs and systems that make up the organism.
		9	To be informed about the development and structure of the placenta.
		10	Informed about the process of development and tasks of the fetal membranes of the embryonic.
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Gametogenesis;hormonal, genetic and molecular regulation	
2	Gametogenesis;hormonal, genetic and molecular regulation	
3	Fertilisation; molecular mechanisms	
4	Implantation	
5	Bilaminar germ disc	
6	Amnion, yolk and chorion sacs development	
7	Trilaminar germ disc	
8	Embryonic period	
9	Embryonic period	
10	Fetal period	
11	Fetal period	
12	Placenta and fetal circulation	
13	Developmental anomalies	
14	Developmental anomalies	

22	Textbooks, References and/or Other Materials:	General Human Embryology (Prof. Dr. Aysel Seftalioglu) Langman Medical Embryology (T. W. Sadler) Human Embryology (K. L. Moore, T. V. N. Persaud)
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23	Assesment	
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TERM LEARNING ACTIVITIES		NUMBE	WEIGHT		
Activites			Number	Duration (hour)	Total Work Load (hour)
Homework-project	0	0	14	1.00	14.00
Practicals/Labs		0		0.00	0.00
Self study and preperation	2	100	14	1.00	14.00
Homeworks		0		0.00	0.00
Success Grade Projects		0		0.00	0.00
Field Studies		0		0.00	0.00
Total Midterm exams		100	1	1.00	1.00
Others		0		0.00	0.00
Course Final Exams		1		1.00	1.00

24 ECTS / WORK LOAD TABLE					
Total Work Load					31.00
Total work load/ 30 hr					1.00
ECTS Credit of the Course					1.00

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	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK2	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK3	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0
ÖK4	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0

ÖK5	3	3	3	3	3	3	3	3	3	4	4	4	0	0	0	0
ÖK6	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK7	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK8	2	2	2	2	2	2	2	2	2	3	3	3	0	0	0	0
ÖK9	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK10	3	3	3	3	3	3	3	3	3	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			