Course Name	Code	Semester	Theory (hrs/week)	Application (hrs/week)	Laboratory (hrs/week)	ECTS
Anatomy of Prenatal Development	ANA609	2nd Semester	2	0	0	4

Prerequisites	No
Course language	Turkish
Course Type	Imperative
Learning and teaching techniques of the course	Theoretical Lectures, Discussion and Laboratory Studies
Course instructor(s)	Prof. Dr. Şahin Abdullah Sırmalı, Lecturer Res. Asst. Gökçe Deniz Külekçi
Course objectives	Learning the stages of the human body from the first moment it begins to take shape to birth and the normal structural changes.
Learning outcomes of the course	1- Define the developmental stages of gametes and embryos. 2- Have knowledge about the anatomical differences between newborns and adults. 3- Knows the development and embryology of organs.
Resources	1- Mescher AL. Junqueira's Basic Histology Text & Atlas. 15th ed. United States: McGraw-Hill Education; 2018. 573 p. 2- Moore KL, Persaud TVN, Torchia MG. The Developing Human Clinically Oriented Embriyology. 10th ed. United States, Philadelphia: Elsevier; 2016. 679 p. 3- Eroschenko VP. diFiore's Atlas of Histology with Functional Correlations. 12th ed. United States, Philadelphia: Lippincott Williams and Wilkins; 2013. 625 p.

Weekly Course Topics:

WEEKS	TOPICS TO BE DISCUSSED
1. Week	Spermatogenez
2. Week	Oogenesis
3. Week	Menstrual cycle
4. Week	Implantation
5. Week	Fertilization
6. Week	Second week of development
7. Week	Third week of development
8. Week	**MIDTERM EXAM**
9. Week	Embryogenesis
10. Week	Fetal period
11. Week	Extraembryonic formations
12. Week	Congenital anomalies and malformations
13. Week	Changes in organs and systems that occur with childbirth
14. Week	Changes in the systems of the fetus that are seen differently from those of adults
15. Week	**FİNAL SINAVI**

Student Workload Table

Events	Number	Time	Total Workload
Lesson	14	2	28
Laboratory			
Application			
Fieldwork			
Out-of-Class Study Time (Freelancing/Group Work/Pre-Study)	14	5	70
Presentation (Shooting videos/Preparing posters/Making Oral Presentations/Focus Group Interviews/Conducting Surveys/Observation and Report Writing)			
Seminar Preparation			
Project			
Case Study			
Role Playing, Dramatizing			
Writing an article-Criticizing			
Mid-term exams	1	1	1
Final exams	1	1	1
Total workload (hours) / 25(s)		100/25	
Ders ACT		**4**	

Evaluation System

Semester Studies	Number	Contribution
Midterm Exam	1	%40
Quiz		
Laboratory		
Application		
Fieldwork		
Course-Specific Internship (If Available)		
Assignments		
Presentation and Seminar		
Projects		
Other		
Total of Semester Studies		%40
Final Work		
Finale	1	%60
Homework		
Application		
Laboratory		
Total of Final Studies		%60
The Contribution of Semester Studies to the Success Grade		%40
The Contribution of the Final Exam to the Success Grade		%60
Sum of Success Grade		**100**

THE RELATIONSHIP BETWEEN COURSE LEARNING OUTCOMES AND PROGRAM COMPETENCIES

No	Program Qualifications	Learning Outcomes		
		ÖÇ1	ÖÇ2	ÖÇ3
1	Knows the basic structure, functions and working mechanisms of organs and systems and can explain each system in detail.		3	
2	Describe the basic microanatomical structures and developmental processes of tissues, organs and systems in the human body.	5	3	5
3	Knows the topographic layouts, surface projections and courses of organs and formations.			
4	It alone can dissect different parts of cadavers, identify organs and other structures.			
5	Radiography can describe normal anatomical structures in MRI and CT images and provide anatomical explanation for pathological conditions.			3
6	Can establish, solve and develop hypotheses about anatomy by using anatomy knowledge at a high level.			
7	Can design, implement, conclude and manage an original research process related to anatomy by using appropriate technologies.			
8	Present and publish the results of academic studies in the field of anatomy in reputable domestic and international academic environments.			
9	Observes and teaches social, scientific and ethical values in the stages of collecting, recording, interpreting and announcing data related to the field of anatomy.			
Qualification level: 1: Low, 2: Low/Medium, 3: Medium, 4: High, 5: Excellent				