Course Name	Code	Semester	Theory (hrs/week)	Application (hrs/week)	Laboratory (hrs/week)	ECTS
Basic Radiological Anatomy	ANA612	3rd Semester	2	0	0	3

Prerequisites	No
Course language	Turkish
Course Type	Imperative
Learning and teaching techniques of the course	Theoretical Lectures, Discussion and Laboratory Studies
Course instructor(s)	Assist. Asst. Prof. Zeynep Şahyazıcı Sarı
Course objectives	To gain general radiology knowledge, to define anatomical structures in radiological images (direct radiographs, angiography, CT and MR images) and to distinguish typical radiological findings.
Learning outcomes of the course	1- Have general knowledge about radiological planes and axes. 2- Understand the radiological images obtained from different levels of the body and count the anatomical structures in these sections. 3- In radiological images, it can recognize and use the location and neighborhood of organs based on certain reference points on the body.
Resources	1- Ellis H, Logan BM, Dixon AK. Human Sectional Anatomy. 3th ed., Hodder Arnold, London, 2007. 2- Moeller TB, Reif E. Pocket Atlas of Cross-sectional Anatomy. Civan Işlak-Volume I; Canan Akman-Volume II; Kaya Kanberoğlu-Volume III (Trans. Ed.), Nobel Medical Bookstores, Istanbul, 2007. 3- Weir J, Abrahams PH, Spratt JD, Salkowski LR. Imaging Atlas of Human Anatomy. 4th ed., Mosby-Elsevier, 2011.

Weekly Course Topics:

WEEKS	TOPICS TO BE DISCUSSED
1. Week	General information about radiology and approach to radiological images
2. Week	Identification of anatomical structures in cranial direct radiographs
3. Week	Identification of anatomical structures in direct radiographs of the vertebral column
4. Week	Identification of anatomical structures in thoracic radiographs
5. Week	Identification of anatomical structures in direct radiographs of the abdomen
6. Week	Identification of anatomical structures in upper and lower extremity radiographs
7. Week	Identification of anatomical structures in cranial CT and MR images
8. Week	**MIDTERM EXAM**
9. Week	Identification of anatomical structures on CT and MRI images of the vertebral column
10. Week	Identification of anatomical structures in thorax CT and MR images
11. Week	Identification of anatomical structures in abdominal CT and MR images
12. Week	Identification of anatomical structures in upper and lower extremity CT and MR images
13. Week	Identification of anatomical structures in contrast-enhanced radiographs
14. Week	Identification of vascular structures in angiographic examinations

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	3	42
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	2	2
Final exams	1	3	3
Total workload (hours) / 25(s)	75/25		
Ders ACT	**3**		

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.			
2	Describe the basic microanatomical structures and developmental processes of tissues, organs and systems in the human body.			
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.		5	5
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				