

Medical Imaging Techniques			
Associate	TR-NQF-HE: Level 5	QF-EHEA: Short Cycle	EQF-LLL: Level 5

## Course Introduction and Application Information

Course Code:	SHM101		
Course Name:	Anatomy		
Semester:	Fall		
Course Credits:	<div>ECTS</div> <div>3</div>		
Language of instruction:	Turkish		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	Compulsory Courses		
Course Level:	<div>Associate</div> <div>TR-NQF-HE:5. Master`s Degree</div> <div>QF-EHEA:Short Cycle</div> <div>EQF-LLL:5. Master`s Degree</div>		
Mode of Delivery:	Face to face		
Course Coordinator:	Dr. Öğr. Üy. AHMET TAHA DEMİRBAŞ		
Course Lecturer(s):	Ahmet Taha Demirbaş		
Course Assistants:			

## Course Objective and Content

Course Objectives:	The aim of this course for each student; It is aimed to acquire anatomical knowledge and skills related to the structure, morphology and systems of the human body.
Course Content:	Medical terminology, basic anatomical concepts, locomotor system anatomy, cardiovascular system anatomy, respiratory system anatomy, digestive system anatomy, urogenital system

## Learning Outcomes

The students who have succeeded in this course;

1) I. Introduction to anatomy and basic concepts, learning the properties of cells and tissues II. Learning the structure and classification of bones, structure and classification of joints III. Properties and classification of muscular system, learning auxiliary elements of muscles IV. Learning the anatomical structure of the heart and vessels, the working mechanism of the heart V. Learning the upper respiratory tract organs and lower respiratory tract organs, learning the function and mechanism of respiration VI. Learning the organs of the digestive system, learning the attachment organs and their functions VII. Learning the urinary system organs, learning kidney functions VIII. To learn male internal and external genital organs, to learn female internal and external genital organs IX. Learning the organs that make up the central nervous system X. Learning the organs that make up the peripheral nervous system

## Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to the Course, Course Objectives and Learning Objectives What is Anatomy? Cell and Tissue Anatomy Skeletal System and Joints Anatomy Muscular System Anatomy Circulatory System Anatomy I Circulatory System Anatomy II Respiratory System Anatomy Digestive System Anatomy I Digestive System Anatomy II Urinary System Anatomy Male Genital System Anatomy Female Genital System Anatomy Nervous System Anatomy I Nervous System Anatomy II	Reading the topics from the given sources before the lesson will enable students to understand the lesson better.

## Sources

Course Notes / Textbooks:	Yıldırım, M. (2002). Sağlık Yüksek Okulları İçin Resimli İnsan Anatomisi. Nobel Tıp Kitabevleri.  Vural, F. (2018). İnsan Anatomisi. Akademi Basın Ve Yayıncılık.  Yıldırım, M. (2018). Sağlık Bilimlerinde Anatomi Atlası. Nobel Tıp Kitabevleri  Vural, F. (2018). Anatomi Atlası. Akademi Basın Ve Yayıncılık.
References:	Anatomi, Sağlık Bilimleri Fakültesi Ve Yüksek Okulları İçin, Ankara Nobel Tıp Kitabevleri, 2019

## Course - Program Learning Outcome Relationship

Course Learning Outcomes	1
Program Outcomes	
1) Has a basic level of theoretical and practical knowledge about the field of Medical Imaging Techniques.	
2) Apply radiation safety and radiation protection rules. It takes necessary measures to protect itself and the patient from the harmful effects of radiation.	
3) Knows the infrastructure of medical imaging devices, daily maintenance and controls of the devices.	
4) Has knowledge about occupational health and safety.	
5) In order to solve unforeseen complex problems encountered in the applications related to the field, it takes part in the team and acts in accordance with the quality management and processes and takes individual responsibility when necessary.	
6) Communicates effectively with colleagues, patients, relatives, physicians and other health professionals.	
7) Knows radiological anatomy at basic level. Recognize the anatomical structures displayed.	
8) Know medical and radiological terms, uses effectively.	
9) Has the ability to communicate and work effectively with different medical sciences.	
10) Adopts the principle of lifelong learning and follows and learns the technological developments in the field.	
11) Follows the information in his / her field and communicates with his / her colleagues by using a foreign language at least at a level of European Language Portfolio A2 General Level.	
12) Uses information and communication technologies with computer software at least at the basic level of European Computer Driving License required by the field.	
13) Has knowledge about ethical principles and rules in the field.	

### Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Has a basic level of theoretical and practical knowledge about the field of Medical Imaging	3

	Techniques.	
2)	Apply radiation safety and radiation protection rules. It takes necessary measures to protect itself and the patient from the harmful effects of radiation.	1
3)	Knows the infrastructure of medical imaging devices, daily maintenance and controls of the devices.	1
4)	Has knowledge about occupational health and safety.	1
5)	In order to solve unforeseen complex problems encountered in the applications related to the field, it takes part in the team and acts in accordance with the quality management and processes and takes individual responsibility when necessary.	1
6)	Communicates effectively with colleagues, patients, relatives, physicians and other health professionals.	2
7)	Knows radiological anatomy at basic level. Recognize the anatomical structures displayed.	3
8)	Know medical and radiological terms, uses effectively.	2
9)	Has the ability to communicate and work effectively with different medical sciences.	2
10)	Adopts the principle of lifelong learning and follows and learns the technological developments in the field.	2
11)	Follows the information in his / her field and communicates with his / her colleagues by using a foreign language at least at a level of European Language Portfolio A2 General Level.	1
12)	Uses information and communication technologies with computer software at least at the basic level of European Computer Driving License required by the field.	1
13)	Has knowledge about ethical principles and rules in the field.	2

### Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Attendance	14	% 0
Midterms	1	% 40
Final	1	% 60
<b>total</b>		<b>% 100</b>
PERCENTAGE OF SEMESTER WORK		% 40

PERCENTAGE OF FINAL WORK		% 60
<b>total</b>		<b>% 100</b>

**Workload and ECTS Credit Calculation**

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Midterms	1	10	10	20	40
Final	1	10	10	20	40
<b>Total Workload</b>					<b>80</b>