



AYDIN ADNAN MENDERES UNIVERSITY
AYDIN VOCATIONAL SCHOOL OF HEALTH SERVICES
MEDICAL SERVICES AND TECHNIQUES
MEDICAL LABORATORY TECHNIQUES
COURSE INFORMATION FORM

Course Title	Human Anatomy								
Course Code	AN103	Course Level			Short Cycle (Associate's Degree)				
ECTS Credit	2	Workload	48 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	In Anatomy, it is aimed to teach the information and skills related to the base structure of the body, and the structure made up the systems and organs' anatomical features.								
Course Content	Basic terms and concepts of anatomy, Cell types and structures, Skeletal system, Muscle system, Blood and liquid electrolytes, Heart's anatomical features and vascular structures, Upper and lower respiratory anatomical structures, Thorax and breast structure, Central Nervous System's anatomical structures, Peripheral Nervous System's anatomical structures, Sense organs, Pituitary gland and other endocrine system structures, Pituitary gland and other endocrine system structures, Gastrointestinal tract organs and accessory digestive organs and glands' structures, Urogenital system and female and male productivity system structures								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Individual Study								
Name of Lecturer(s)	Lec. Ayfer METİN TELLİOĞLU, Lec. Nazlı Gülriz ÇERİ, Prof. Hulki BAŞALOĞLU, Prof. İlğaz AKDOĞAN								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Jungueira LC, Carneiro J and Kelley R O(1993). Temel Histoloji. Barış Kitabevi
2	Hatipoğlu M T (1994). Anatomi ve Fiziyojji, 10. Baskı, Hatipoğlu Yayınları, Ankara.

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic terms and concepts of anatomy
2	Theoretical	Cell types and structures
3	Theoretical	Skeletal system
4	Theoretical	Muscle system
5	Theoretical	Blood and liquid electrolytes
6	Theoretical	Heart's anatomical features and vascular structures
7	Theoretical	Upper and lower respiratory anatomical structures
8	Intermediate Exam	Midterm exam
9	Theoretical	Thorax and breast structure
10	Theoretical	Central Nervous System's anatomical structures
11	Theoretical	Peripheral Nervous System's anatomical structures
12	Theoretical	Sense organs
13	Theoretical	Pituitary gland and other endocrine system structures
14	Theoretical	Gastrointestinal tract organs and accessory digestive organs and glands' structures
15	Theoretical	Urogenital system and female and male productivity system structures

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	2	1	3
Final Examination	1	2	1	3
Total Workload (Hours)				48
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Know the base structure of the human body
2	Know muscle and skeletal system's anatomical structure
3	Know circulatory system, respiratory system and thorax's anatomical structure
4	Know nervous system, endocrine system and sense organs' anatomical structure
5	Know digestive and urogenital systems' anatomical structure

Programme Outcomes (Medical Laboratory Techniques)

1	To be able to have sufficient back ground in medical laboratory techniques and medical laboratory branches (biochemistry, microbiology, parasitology, sitogenetik etc.); the ability to use theoretical and practical knowledge in these fields.
2	To be able to have the basic theoretical and practical knowledge and other resources have been supported applications and tools based on secondary-level qualifications gained in the field of Medical Laboratory Techniques Program to-date text books containing formations
3	To be able to have basic knowledge about structure and function of systems in human, to analyse these data on tissue, cell and diseases.
4	To be able to analyse the medical samples necessary for physicians by using tools, equipment and techniques at the diagnostic and the therapeutic laboratories of health agencies and evaluate the data.
5	To be able to use the medical laboratory tools and equipments according to rules and techniques, and make controls and maintenance of them
6	To be able to perform basic tests of related different medical laboratories, prepare solutions.
7	To be able to perform proper sample collection and transport procedures for the medical laboratory tests from the patient.
8	To be able to perform preanalytical sample preparation procedure, prepare inspection preparations, perform disinfection and sterilization
9	To be able to interpret and evaluate data, define and analyze problems, develop solutions based on research and proofs by using acquired basic knowledge and skills with in the field.
10	To be able to have knowledge about work organization and carry out related practice in medical laboratories
11	To be able to carry out laboratory safety protocols, take individual safety precaution and create safe laboratory environment.
12	To be able to gain the ability to apply by viewing and evaluating the processes related to his/her fields in public and private sector.
13	To be able to gain the awareness of the necessity of life long learning, ability to follow developments in science and technology and self-renewal.
14	To be able to help laboratory experts and medical scientists for their researches
15	To be able to be aware of individual and public health, environmental protection and job security issues, understanding the basic level of the relationship.
16	To be able to grasp principles of Atatürk and their evolutions, to ensure national, ethical, spiritual and cultural values, to adopt to universal and contemporary developments
17	To be able to communicate efficiently for medical service and speak Turkish efficiently.
18	To be able to communicate in English at basic level, utilize foreign language on occupational practice

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	4	4	4	4	4
P2	5	5	5	5	5
P3	5	5	5	5	5
P9	1	1	1	1	1
P13	3	3	3	3	3
P17	4	4	4	4	4
P18	5	5	5	5	5

