

# AHST 106 Basic Anatomy (2025)

## 1- Basic Information

Course Title	Basic Anatomy				
Course Code	106 AHST				
Department(s) responsible for course teaching.	Medical Laboratory Technology department				
Course hours	Credit hrs.	Contact			
		Lec	Tut	Lab	Total
	3	1		4	3
Course type	Compulsory				
Course level	First-level, first semester				
Academic program	Foundation year				
Faculty	High Institute of Applied Health Science Badr				
University	Badr Higher Institutes of Science and Technology				
Course coordinator	Rania Karas				
Course approval date	Click or tap to enter a date.				
Decision approving board (attached the decision/minutes of the department council)					

## 2- Course Overview

This course provides an essential foundation in human anatomy, focusing on the structural organization and function of the human body. Students will explore anatomical terminology, body systems, and the interrelationships among organs and structures. Emphasis is placed on understanding the gross anatomy relevant to clinical practice, using a combination of theoretical instruction, visual aids, and anatomical models.

## 3- Course Learning Outcomes

**Consistency of course learning outcomes with program outcomes  
(adopted standards)**

<b>Program Outcomes/Adopted Academic Reference Standards</b>  (PO Target by the course based on matrix)		<b>Course Learning Outcome</b>  By the end of this course the student will be able to:	
Statement	Code	Statement	Code
		Describe anatomical position, planes, terms of location, and movement.	<b>CLO</b>
		Identify the major bones of the human body and their classification.	<b>CLO</b>
		Explain the classification of joints and their functional significance.	<b>CLO</b>
		Describe the layers and functions of skin and superficial/deep fascia.	<b>CLO</b>
		Name major muscles, their origin, insertion, innervation, and function.	<b>CLO</b>
		Outline the structure and function of lymphatic vessels and organs.	<b>CLO</b>
		Describe the anatomy of the heart, blood vessels, and circulatory routes.	<b>CLO</b>
		Identify the structures of the kidneys, ureters, bladder, and urethra.	<b>CLO</b>

<b>Program Outcomes/Adopted Academic Reference Standards</b> (PO Target by the course based on matrix)		<b>Course Learning Outcome</b> By the end of this course the student will be able to:	
Statement	Code	Statement	Code
		Describe the central and peripheral nervous system components	<b>CLO</b>
		Differentiate between commonly confused anatomical terms	<b>CLO</b>
		Relate the structure of bones to their function and mechanical properties.	<b>CLO</b>
		Interpret how skin and fascia protect and support underlying structures.	<b>CLO</b>
		Relate anatomical features to functions.	<b>CLO</b>
		Correctly use anatomical terminology in written and verbal communication.	<b>CLO</b>
		Label bones on diagrams, radiographs, or physical models	<b>CLO</b>
		Identify fascia and skin layers in dissection or diagrams.	<b>CLO</b>
		Identify muscle structures on models or in clinical images.	<b>CLO</b>
		Locate major vessels and heart structures on models or diagrams.	<b>CLO</b>
		Identify brain regions, spinal cord levels, and major nerves.	<b>CLO</b>
		Define tooth anatomy, types, and their position in the dental arch.	<b>CLO</b>
		Describe the anatomy of the upper and lower respiratory tracts.	<b>CLO</b>
		Articulate anatomical concepts in written, verbal, and visual formats appropriate	<b>CLO</b>

Program Outcomes/Adopted Academic Reference Standards (PO Target by the course based on matrix)		Course Learning Outcome By the end of this course the student will be able to:	
Statement	Code	Statement	Code
		Work effectively in groups	CLO

## 4- Learning Methods

Interactive lectures  
 Small group discussion / Brainstorming  
 Demonstrations  
 Self-Directed Learning  
 Practical tutorial session

## 5- Course Timetable

Week No.	Course Content/Topics	Total Weekly hours	Expected learning hours (contact hours)		
			نظري	تمارين	عملي
1	Introduction& terminology	3	1		4
2	Skeletal system	3	1		4
3	Joints	3	1		4
4	Skin and fascia	3	1		4
5	Muscles	3	1		4
6	Lymphatic system	3	1		4
7	Midterm exam				
8	Cardiovascular system	3	1		4
9	Urinary system	3	1		4
10	Nervous system	3	1		4
11	Digestive system	3	1		4
12	Dental anatomy	3	1		4
13	Respiratory system	3	1		4
14	Practical exam				
15	Final exam				

## 6- Student Assessment Methods

No .	Assessment method*	Assessment time (Week No.)	Rating Scores	Percentage of the total course grade
1	Midterm exam and activities	7 <sup>th</sup>	30	20%
2	Final written exam	15 <sup>th</sup>	75	50%
3	Final Practical exam	14 <sup>th</sup>	45	30%
8	Other (list)	Weekly formative assessment	---	----

\* The methods mentioned above are indicative examples, and may add and delete

## 7- Learning Sources and Facilities

<b>Learning resources (books, scientific references, etc.) *</b>	Main Reference	Authors, <i>The Book Title</i> . Publisher, Edition, Year.
	Other references	Gray's Anatomy, 42nd Edition 2020
		Netter Atlas of Human Anatomy: Classic Regional Approach, International Edition, 8th Edition 2022
		Sobotta Atlas of Anatomy, Package, 17th ed., English/Latin, 1st Edition 2023
	Electronic Resources (Add the link)	
	Educational Platform (add the link)	
<b>Educational support equipment for teaching and learning *</b>	Other (List)	
	Devices	-
	Supplies	Computer- boards and projectors
	Software	-
	Skills Labs/Simulators	Ibn al-Haytham program
	Virtual Labs	-
	Other (List)	-

\* The mentioned list is indicative examples, and the institution may add and delete depending on the nature of the course.

Course Coordinator  
Name: Dr Rania Karas

Program Coordinator  
Name:

Signature: 

Signature: