



**Department of Medical Laboratory Analysis**

**College of Science**

**University of Cihan- Sulaimaniya**

**Subject: Human Anatomy**

**2<sup>nd</sup> Stage - 1<sup>st</sup> semester**

**Course Book – Year 2023-2024**

**Lecturer's name Dr. Othman Jalal Ali**

**Academic Year: 2023/2024**

# Course Book

<b>1. Course name</b>	<b>Human Anatomy</b>
<b>2. Lecturer in charge</b>	<b>Dr. Othman Jalal Ali</b>
<b>3. Department/ College</b>	<b>Medical Laboratory Analysis (MLA)</b>
<b>4. Time (in hours) per week</b>	<b>4 Hours Theory 6 Hours practice</b>
<b>5. Office hours</b>	<b>Saturday 10:30- 11:00, 12:00- 1:00</b>
<b>6. Course code</b>	<b>Human Anatomy</b>
<b>7. Teacher's academic profile</b>	<a href="https://sites.google.com/a/univsul.edu.iq/othman-jalal/academic-profile">https://sites.google.com/a/univsul.edu.iq/othman-jalal/academic-profile</a>
<b>8. Keywords</b>	<b>Anatomy, Human, Cells, Dissection, planes,</b>
<p><b>9. Course overview:</b> Anatomy is a vital component of medical education for all physicians, nurses and other practitioners dealing with human health-care. It greatly improves the skill and efficiency of all concerned. The study of anatomy and morphology has much to offer the student wishing to pursue a career in biological or medical fields. Proper training in anatomy must include a practical component that involves dissection in addition to lectures. No other method, regardless of how intricate in presentation and scope, can replace the actual hands-on experience. It is, only through a careful, patient, and repeated practical approach that one gains the expertise and practice required for understanding the spatial relationships that are essential to learning how the human body is constructed, how its component structures are related to each other, and how form and function interact.</p>	
<p><b>1. Course objective</b> The study of anatomy is an interesting and valid field of study for gaining insight into the structure and function human body. It is the basic science for the medical students and it's important because of the following reasons:</p> <ul style="list-style-type: none"> <li>• This course will provide a foundation for understanding of the clinical sciences (internal medicine, surgery, gynaecology .....etc).</li> <li>• Identify and describe the major organ systems of the body</li> </ul>	

- Understanding the structures components of each organ with their relation to the adjacent or surrounding organs.
- It allows us to examine how the form of these structures is related to their function and thus how morphology is suited to a particular mode of life.

## 11. Student's obligation

A student has an obligation to respect the ethical standards of **Cihan University** in the following points:

### A. Class Attendance and responsibilities:

1. Students are expected to attend each class for the entire semester.
2. Students are responsible for materials presented in the lectures.
3. Students will take several quizzes over the course and the quiz marks will be counted toward the final grade. So, try to prepare yourself for quiz every week.

### B. Penalty and acceptable excuses for class and exam absence:

1. Only students with official absence, family crises, and illness are excused from class.
2. Three occasions of lateness count as one absence.
3. The student who misses 10 percent of the classes will be placed on probation.
4. Since all examination are announced in advance, **ZERO** grade will be given to any missed examination unless a student has an acceptable reason, such as illness, for not being able to take the examination during all those days when the examination was announced.

## 12. Forms of teaching

1. Explaining the subjects using data show and white board.
2. Sharing students with lectures through a google classroom.
3. Practical section will be on the human body samples on the basis of theory lectures

## 13. Assessment scheme

### Midterm Grades distributions will be as follow:

**Theory:** 30 Marks (25 Marks on paper exam + 5 Marks on quizzes and other activities)

**Practice:** 20 Marks (15 Marks on paper exam + 5 Marks on quizzes and other activities)

### Final Grades distributions will be as follow:

**Theory:** 30 marks (30 Marks on paper exam)

**Practice:** 20 Marks (20 Marks on paper exam)

**14. Student learning outcome:**

Students attending this course are expected to become familiar with basic concepts of human anatomy. It is important for the student future to be familiar with normal anatomical structures of tissues or organs during the clinical examination or surgical operation for defining, determining, and localizing the structures to be operated. Thus anatomy is considered a vital link between basic sciences (pathology, Physiology, Biochemistry.....etc) and clinical sciences (Internal Medicine, Surgery, gynaecology..... etc).

**15. Course Reading List and References:**

1. Drake, R. L., Vogl, W., Mitchell, A. W. M., & Gray, H. (2005). *Gray's anatomy for students*. Philadelphia: Elsevier/Churchill Livingstone.
2. Netter FH. (2011). *Atlas of Human Anatomy*. 5th ed. Philadelphia, PA: Saunders/Elsevier;
3. W. J. Hamilton (1976). *Textbook of Human Anatomy*. Palgrave Macmillan, London

**16. The Topics:****Theory + Practice**

Lecture No	Topic
Week 1	Introduction
Week 2	Introduction to anatomy
Week 3	Gross and Microscopic anatomy
Week 4	Anatomy of the skeletal system
Week 5	Arthrology or Syndesmology
Week 6	Myology
Week 7	Digestive System
Week 8	Respiratory System
Week 9	Cardiovascular System
Week 10	Central Nervous system
Week 11	Peripheral Nervous system
Week 12	Sense organs

<b>Week 13</b>	Integument
<b>Final Examination</b>	

**Examples of Questions**

**Q1/ Define only five (5) of the following anatomical terms:**

A- Anatomy    B- Superior    C- Contralateral    D- Transverse plane    E- Cell  
F- Flagellum

**Q2/ Choose the correct choice for each of the following multiple-choice questions:**

**1- Esophagus is a Musculomembranous tube of a length approximately:**

A- 15 cm                      B- 25 cm                      C- 30 cm                      D- 35 cm

**2- The Adam's apple is referred to the prominence of:**

A- Thyroid cartilage    B- Epiglottis cartilage    C- Cricoid cartilage    D- Arytenoid cartilage

**3- Oval fossa is located in the:**

A-Left atrioventricular valve    B- Right atrioventricular valve    C- Interventricular septum    D- Interatrial septum

**Q3/ Fill the following blanks with the correct words:**

1- Prokaryotic cells It does not contain a nucleus and cytoplasmic organelles due to the absence of ....., for example

.....

2- Vertebral cavity runs through the vertebral column and encloses the.....

3- The major parts of a typical cell include..... , .....and  
.....

4- The area between anus and the external genitalia is called  
.....

5- The ..... system form the external body covering.

**Q4/ Answer only Two(2) of the following questions:**

A- Mention types of body cavities.

B- Mention abdominal regions and quadrants.

C- Classify stratified epithelia according to the shapes of their surface cells.

### **17. Peer review**

I certify that:

1- I read and verify all requirements of teaching quality assurance are respected in this course book.

2- The scientific contents are new, convenient and well organized for this stage.

3- The order of chapters is well done.

4- References are new and available for students.

That's why I signed on this course book and I take all responsibilities.

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College: Science

Department: MLA

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Date: 8/ 09/ 2023 Signature:

**Main Lecturer in charge**  
**Othman Jalal AI**

**Head of The Department**  
**Hastyar Hamarashid Najmuldeen**