

BMS2007: HUMAN ANATOMY

Effective Term

Semester A 2022/23

Part I Course Overview

Course Title

Human Anatomy

Subject Code

BMS - Biomedical Sciences

Course Number

2007

Academic Unit

Biomedical Sciences (BMS)

College/School

Jockey Club College of Veterinary Medicine and Life Sciences (VM)

Course Duration

One Semester

Credit Units

3

Level

B1, B2, B3, B4 - Bachelor's Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

This course presents a systemic approach to the study of the human body. Lecture presentation begins with an introduction of anatomical terminology and an overview of cellular processes and tissue classification. Students then learn the gross

and microscopic anatomy and the function of the following systems: integumentary, musculoskeletal, nervous, circulatory, respiratory, digestive, renal, urogenital and endocrine. The laboratory component of the course generally parallels and reinforces lecture concepts through the use of models, histological slides and skeletal materials.

Course Intended Learning Outcomes (CILOs)

CILOs	Weighting (if app.)	DEC			
		DEC-A1	DEC-A2	DEC-A3	
1	To identify anatomical structures in different organs and systems in the human body and their relationship to each other.	25	x		
2	To learn the different types of tissues and cells of the individual organ and system in the human body.	25	x		
3	To learn the functions of different organs and systems in the healthy human body.	25	x	x	
4	To understand how organs and systems function in disease conditions.	25	x	x	

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Teaching and Learning Activities (TLAs)

TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Lectures	Basic knowledge will be taught mainly by lectures.	1, 2, 3, 4
2	Tutorials	A forum for problem solving by applying the knowledge learned from the lectures.	1, 2, 3, 4
3	Group presentations	Students will be divided into groups and each group will present a talk on a topic of human anatomy.	1, 2, 3, 4
4	Mid-term quiz	A short test to evaluate the students' learning outcome.	1, 2, 3, 4

Assessment Tasks / Activities (ATs)

ATs		CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Participation	1, 2, 3, 4	10	
2	Group presentation	1, 2, 3, 4	20	
3	Mid-term quiz	1, 2, 3, 4	20	

Continuous Assessment (%)

50

Examination (%)

50

Examination Duration (Hours)

3

Additional Information for ATs

Minimum Passing Requirement : A minimum of 40% in coursework as well as in examination.

Assessment Rubrics (AR)**Assessment Task**

1.Participation

Criterion

Attendance to lectures and tutorials

Assessment Task

2.Group presentation

Criterion

The content and the style of the presentation. Handling of questions.

Excellent (A+, A, A-)

Presentation content and correct questions > 90%.

Good (B+, B, B-)

Presentation content and correct questions between 75% and 90%.

Fair (C+, C, C-)

Presentation content and correct questions between 60% and 75%.

Marginal (D)

Presentation content and correct questions between 50% and 60%.

Failure (F)

Presentation content and correct questions < 50%.

Assessment Task

3. Mid-term quiz

Criterion

The number of correct answers.

Excellent (A+, A, A-)

Correct questions > 90%.

Good (B+, B, B-)

Correct questions between 75% and 90%.

Fair (C+, C, C-)

Correct questions between 60% and 75%.

Marginal (D)

Correct questions between 50% and 60%.

Failure (F)

Correct questions < 50%.

Assessment Task

4.End-of-term examination

Criterion

To test students' basic knowledge learnt in class and see whether they can apply the knowledge in case studies

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Less than Basic

Failure (F)

Not even reaching marginal levels

Part III Other Information

Keyword Syllabus

- Integumentary System
- Musculoskeletal System
- Nervous System
- Lymphatic System
- Respiratory System
- Digestive System
- Endocrine System

- Renal and urinary System
- Reproductive System

Reading List

Compulsory Readings

Title	
1	Mader' s understanding Human Anatomy & Physiology, Susannah Longenbaker, 9th Edition, McGraw-Hill Education
2	Principles of Anatomy and Physiology, Gerard J Tortora, Bryan H Derrickson. 15th Edition, Wiley

Additional Readings

Title	
1	Nil