



Course Specification

— (Bachelor)

Course Title:	Human anatomy & physiology
Course Code:	MLS26391
Program:	Medical Physics
Department:	Physics
College:	Science
Institution:	University of Bisha
Version:	1
Last Revision Date:	5 September 2023

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1. Course Identification

1. Credit hours: 1+1

2. Course type

A. University College Department Track Others

B. Required Elective

3. Level/year at which this course is offered: 5th Level / 3rd year

4. Course general Description

This course presents a basic understanding of human anatomy and physiology, including its language, the levels of organization. It also focuses particularly on how the body's regions, the skin, the largest organ of the body, and examine the body's skeletal and muscular systems, nervous and endocrine system control and regulation following a traditional sequence of topics.

5. Pre-requirements for this course (if any):

NA

6. Co- requirements for this course (if any):

NA

7. Course Main Objective(s)

Recognize the body structure, which includes size, shape, composition, perhaps even coloration, and study of how the body functions.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	15	33.3%
2.	E-learning		
3.	Practical	30	66.7%
4.	Hybrid		
5.	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	13
2.	Laboratory/Studio	30
3.	Tutorial	2
4.	Others (specify) Self-learning	30
5.		



Total

75

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Define and understanding terms of human anatomy and physiology of the body.	K2	Lecturing	Quizzes Homework Midterm exam Final exam
1.2	Recognized the Human organ system structure and function and their roles in homeostasis.	K2		
1.3	Outline of endocrine glands and regulatory functions of hormones that they are secret under different physiological status.	K2		
2.0	Skills			
2.1	Explain the relation between the organs of the human body systems and between systems.	S1	Lecturing Self-learning	Quizzes Homework Midterm exam Final exam
2.2	Apply safety measures when dealing with human bodies and lab equipment and solutions.	S1		
2.3	Demonstrate strong study skills and responsible behavior to his learning and professional development.	S1		
3.0	Values, autonomy, and responsibility			
3.1	Take responsibility for self and peer learning.	V2	Self-learning	Reports Presentation
3.2	Committed to provide their assignments in due times.	V2		





C. Course Content

No	List of Topics	Contact Hours
1.	Anatomical positions and anatomical terms	1
2.	Types, anatomical classification and structure of the bones (osteology)	1
3.	Types and Anatomical classification of the joint (Syndesmology)	1
4.	Types and anatomical classification of the muscles (Myology)	1
5.	The anatomical structure of the thoracic cage, lungs and pleura	1
6.	The anatomical structure of the Heart	1
7.	The abdominal cavity and peritoneum	1
8.	The anatomical structure of the digestive system, Liver, spleen and pancreas	1
9.	The anatomical structure of the urinary system	1
10	The anatomical structure of the Male and Female genital system	1
11	Introduction in the anatomical structure of the Nervous system	1
12.	Blood: Major components of blood, Functions, and Formation of blood	1
13	Cardiovascular System: physiology of the heart and ECG	1
14	Physiology of the digestive tract and associated organs, Digestion, and absorption of nutrients.	1
15	Functions of urinary system; Processes of urine formation and excretion and Physiology of the Male and Female genital system	1
Total		30

No	List of Topics- Practical	Contact Hours
1	Anatomical Termes and Skeleton	2
2	Bones of the upper limb, lower limb	2
3	Joint of the upper limb, lower limb	2
4	Muscles of the upper limb and lower limb	3
5	Lung	3
6	Heart	2
7	Abdomen and Digestive system	2
8	Liver, spleen and pancreas	2
9	Urinary system	2
10	Reproductive systems of male and females	2
11.	Nervous system	2
12.	Cell morphology and packed cell volume	2





13.	Blood grouping, Hemoglobin	2
14.	Blood pressure and pulse rate	2
15	ECG	2
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	E-learning activities (Assignments and Quizzes)	5th	15 %
2.	Lab evaluations	All through	10 %
3.	Midterm exam (Theoretical and Practical)	8th	20 %
4.	Oral exam	10th	5 %
5.	Final practical exam	End of semester	20 %
6.	Final theory exam	End of semester	30 %
Total			100%

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Essential of anatomy and Physiology, Valerie C. Scanlon and Tina Sanders, 5th edition, F. A. Davis Company, 2007.
Supportive References	Anatomy & Physiology, Rice University -Houston, Texas 77005, OpenStax, 2013.
Electronic Materials	- Blackboard. - PowerPoint presentations. - Digital library of University of Bisha https://ub.deepknowledge.io/Bisha
Other Learning Materials	NA

2. Required Facilities and equipment

Items	Resources
facilities	<ol style="list-style-type: none"> 2 Classrooms 30 students each Small group discussion rooms 5 DR (anatomy) Museum (anatomy)





Items	Resources
Technology equipment	1. Smart board 2. Audiovisual aids 3. High speed internet 4. Blackboard
Other equipment	NA

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Program Leaders Peer Reviewer Students Faculty Academic performance follows up committee. Students GPA	Direct / Indirect
Effectiveness of Students' assessment	Program Leaders Peer Reviewer Students Faculty Academic performance follows up committee. Examination committee	Direct / Indirect
Quality of learning resources	Program Leaders Peer Reviewer Students Faculty PLOs assessment committee	Direct / Indirect
The extent to which CLOs have been achieved	Program Leaders Peer Reviewer Students Faculty Academic performance follows up committee. Examination committee Students Results	Direct / Indirect

G. Specification Approval Data

COUNCIL /COMMITTEE	College of Science Council
REFERENCE NO.	1





DATE

5 September 2023

