



Course Specification

(Bachelor)

Course Title: **Human Physiology**

Course Code: **212 Physio-2** **211 Nurs-2**

Program: **BSc**

Department: **General Unit**

College: **Nursing and Health Sciences**

Institution: **Jazan University**

Version: *Course Specification Version Number*

Last Revision Date: *Pick Revision Date.*



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A. General information about the course:

1. Course Identification

1. Credit hours: (2 hours)

2. Course type

A. ☐ University ☒ College ☐ Department ☐ Track ☐ Others
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (3rd)

4. Course general Description:

This course is required for the undergraduates of second year applied medical sciences. The course introduces the student to various bases of Human Physiology and theoretical concepts behind it. Also, strong emphasis is provided on the humanistic holistic approach and develops an open communication with health care providers' team to facilitate the client healing process in a structured environment.

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

106BIO-4

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

None

7. Course Main Objective(s):

1. Identify and imply the major theories of Human Physiology.
2. Describe the responses to cell membrane in cellular transport.
3. Explain the functions of autonomic nervous system.
4. Describe the basis of muscular contraction and its molecular basis.
5. Outline the functions of the digestive system specially the lower digestive system.
6. Identify the Cardiovascular system and how does it function.
7. Describe the different Central nervous system connections and their functions.
8. Explain pulmonary gas exchange and its control.
9. Describe the formation of urine in the renal system and discuss acid-base balance.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	100%
2	E-learning		
3	Hybrid		





No	Mode of Instruction	Contact Hours	Percentage
	<ul style="list-style-type: none"> Traditional classroom E-learning 		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		30

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

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Describe the physiological organization of human body system.		Lectures and group discussions	MCQs exam
1.2	Describe the cellular physiology.			
1.3	Outline the functions of the different systems of the human body.			
2.0	Skills			
2.1	Explain and analyze the basis of body systems functions.		Lectures and group discussions	MCQs exam
2.2	Interpret current advances in knowledge, at a systems and molecular level of different systems.			
2.3	Distinguish between different physiological			





Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
	mechanisms and functions of the human body systems.			
3.0	Values, autonomy, and responsibility			
3.1	Task responsibility and working in a team to finish and present the required applied assignment.		Assignments and presentations	Direct discussion

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction, Cell Physiology and Homeostasis.	3
2.	Muscles Physiology.	1
3.	Nervous System Physiology I	3
4.	Nervous System Physiology II	4
3.	Digestive System Physiology	3
4.	Cardiovascular System Physiology.	3
5.	Blood.	2
7.	Respiratory System Physiology.	3
8.	Renal System Physiology.	3
9.	Acid – Base balance.	2
10.	Reproductive System Physiology.	3
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm Exam	6 th – 11 th	30%
2.	Student Discipline & Behavior	16 th	5%
3.	Assessment (assignment + Quiz)	14 ^h	15%
...	Final Exam	18 th -19 th	50%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources





Essential References	<ul style="list-style-type: none"> Textbook of Medical Physiology, Guyton and Hall. Review of Medical Physiology, William F. Ganong.
Supportive References	<ul style="list-style-type: none"> Handouts are routinely distributed to student
Electronic Materials	http://themedicalphysiologypage.org
Other Learning Materials	<ul style="list-style-type: none"> Vander Human Physiology: The mechanism of body functions, Vander et al. Physiology, John E. Hall Textbook of Physiology, Donald Douglas

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture /seminar hall
Technology equipment (projector, smart board, software)	<ul style="list-style-type: none"> Internet access Smart board
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Survey
Effectiveness of Students' assessment	HOU	Peer review
Quality of learning resources	Unit	Survey
The extent to which CLOs have been achieved	Unit	Item analysis
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	

