



Course Specifications

Course Title:	Physiology
Course Code:	PSL113
Program:	Bachelor of Dentistry [BDS]
Department:	Department of Basic Medical Sciences
College:	College of Dentistry
Institution:	Majmaah University

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A. Course Identification

1. Credit hours:3 (1+2+0)
2. Course type a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/> b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 1 st Year / 1 st and 2 nd Semester
4. Pre-requisites for this course (if any): NA
5. Co-requisites for this course (if any): NA

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	40%
2	Blended	NA	NA
3	E-learning	NA	NA
4	Correspondence	NA	NA
5	Other - Laboratory	45	60%

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	30
2	Laboratory/Studio	45
3	Tutorial	-
4	Others (specify)	-
	Total	75
Other Learning Hours*		
1	Study	45
2	Assignments	15
3	Library	15
4	Projects/Research Essays/Theses	-
5	Others(specify)	-
	Total	75

*The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

This course is designed to provide students with an understanding of the function & regulation of the human body and physiological integration of the organ systems to maintain homeostasis.

2. Course Main Objective

This course is aimed to understand the basis of various physiological functions of the body from the cell as the smallest functional component of the body to the function of various organs, and systems.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
K1.2	Describe the functions of each organ system of the body with special emphasis on head and neck region.	K1
K3.2	Describe the physiological regulatory mechanisms that are important in maintaining the body's homeostasis.	K3
2	Skills :	
S1.2	Explain the applied physiological aspects of common diseases with special importance to oro facial health.	S1
3	Competence:	
C2.1	Demonstrate cooperation, good communication and coordination with fellow colleagues to submit a group task or assignments	C2

C. Course Content

No	List of Topics	Contact Hours
1	1st Semester	
2	Introduction	1
3	Body homeostasis	1
4	The blood constituents	3
5	The immune system	1
6	Cardio-vascular system	2
7	Lymphatic system	1
8	Digestive system	2
9	Revision	1
	2nd Semester	
1	Introduction	1
2	Urinary system	2
3	Respiratory system	2
4	Endocrine system	2
5	Male reproductive system	1
6	Female reproductive system	1
7	Nervous system	2
8	Special sense	1
9	Revision	1

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1	Knowledge		
K1.2	Describe the functions of each organ system of the body with special emphasis on head and neck region.	Lecture, Practical/ Lab	Written exams , Oral evaluations, Quiz, weekly assessment, OSPE and Assignments
K3.2	Describe the physiological regulatory mechanisms that are important in maintaining the body's homeostasis.	Lecture, Practical Lab	Written exams , Oral evaluations, Quiz, weekly assessment, OSPE and Assignments
2	Skills		
S1.2	Explain the applied physiological aspects of common diseases with special importance to oro facial health.	Lectures, Small group work, Group discussion, Lab demonstration	Written exams , Oral evaluations, Quiz, weekly assessment, OSPE and Assignments
3	Competence		
C2.1	Demonstrate cooperation, good communication and coordination with fellow colleagues to submit a group task or assignments	Practical/Lab Group Discussion	The group task / Assignment work supervised closely and the work done by each student evaluated using rubrics in weekly assessment, assignments.

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quiz 1 + 2	Week 10& Week 19	05%
2	Midyear exam – Theory	Week 14	25%
3	Behavior / Professionalism	During the course	05%
4	Assignment	During the course	10%
5	Weekly Assessment	During the course	15%
6	Final Practical Exam	Week 14	15%
V	Final Theory Exam	Week 16	25%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

Students are supported academic guidance during office hours and provide them with guidance and advice, as well as scientific knowledge of students' problems and how to solve it.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	✓ Human Anatomy & Physiology, Elaine N. Marieb and Katja Hoehn Pearson, Benjamin Cummings, 8th edition, 2010. ✓
Essential References Materials	✓ Essentials of Human Anatomy & Physiology, Elaine N. Marieb, Pearson, Benjamin Cummings, 10th edition, 2009.
Electronic Materials	None
Other Learning Materials	None

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	✓ Lecture room suitable for 30 students ✓ Fully equipped lab for practical sessions
Technology Resources (AV, data show, Smart Board, software, etc.)	✓ Projector ✓ Smart board with all the accessories ✓ Internet
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	✓ Microscopes ✓ Microscopic slides ✓ Soft tissues specimens and casts of oral structures

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	✓ Course Evaluation Survey ✓ Quality of Exam Survey
	Faculty	✓ CLO Mapping with teaching & assessment. ✓ Course Blueprinting ✓ Grade Analysis ✓ Psychometric Analysis
	Peers	Grade Verification
Extent of achievement of course learning outcomes	Faculty member / Quality assurance committee	✓ Direct assessment outcome analysis ✓ Course report preparation
Quality of learning resources, etc	Students / Faculty	✓ Academic advising survey ✓ Student experience survey

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

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

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Department Council
Reference No.	*****
Date	*****