



AMMAN - JORDAN

المستوى الذهبي

جامعة كل العرب

Course Syllabus
Faculty of Pharmacy
Academic Department: Department of Clinical Nutrition and
Dietetics
Academic Year 2021 / 2022 Semester: Second Semester

Course Title :	Physiology
Course No. :	908128
Prerequisite :	1501141 (Biology for Pharmacy Students)
Concurrent :	----
Department :	Department of Clinical Nutrition and Dietetics
Coordinator :	Dr. Maysoun Qutob
Mode of Instruction	Face to face

*** Instructor:**

Lecturer	Office Phone	Room No.	Office Hours	E-mail
Dr. Maysoun Qutob	Tel: 00962656099 57 Ext 1134	4218	TBA	m_alqutob@asu.edu.jo

Course Description

The course discusses the concepts of physiology that help to understand clinical nutrition. The course includes the study of the functions of the organs of the human body in some detail such as the study of cell and tissues, circulatory and vascular system, digestive system, urinary system, endocrine, and the respiratory and nervous system.

Intended Learning Outcomes

Upon the completion of the course, this module should lead to the following learning outcomes:

A. Knowledge and Understanding (Student should):

- A1. Name anatomical structure of the body.
- A2. Describe human body structure at all levels (cell, organ system)
- A3. Describe the association between the structure and function of body systems.
- A4. Explain the role of organ systems interactions in maintaining homeostasis

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A5. Describe the interconnection nature between body organs and nutrition in maintaining body health functioning.

B. Cognitive and Intellectual Skills (Student should):

- B1. Distinguish between physiological and pathological performance of different body systems .
B2. Suggest the basic physiological measurements used to test different body functions .
B3. Integrate physiology with other sciences.

C. Subject Specific Skills (Student should):

- C1. To correlate between organ functions and nutritional support.
C2. Knowledge of body organs and nutritional health
C3. To explore in details the function and structure of each of the mentioned body systems as well their integration to achieve homeostasis

D. Transferable Skills (Student should):

- D1 Evaluate the significance of information taken in Physiology for subsequent Nutrition courses

Program Learning Outcomes (PLOs):

PLO.1:	Acquired a broad and comprehensive and in-depth body of knowledge and skills in nutrition and continue to be self-learner.
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Course Learning Outcomes Alignment Matrix

	CLO. 1	CLO. 2	CLO. 3	CLO. 4
PLO.1:	All ILOs			

Course Contents and Schedule

Week	Day and Date	Topics to be covered	Method of instruction	CLOs	PLOs
1	March 2021	Course outline, objectives, outcomes, references and grading system	1 Face to face	-----	All PLOs
1-3	March 2021	Introduction to Human Body and Physiology: The Cell Levels of organizations in the Body	5 Face to face	A1	All PLOs



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Physiology of the blood and body fluids					
4 & 5	March 2021	The nervous system	4 Face to face	A1-A5, B1-B3, C3, D1	All PLOs
6 & 7	April 2021	The gastrointestinal system	4 Face to face	A1-A5, B1-B3, C1-C3, D1	All PLOs
8 & 9	April 2021	The cardiovascular physiology	4 Face to face	A1-A5, B1-B3, C1-C3, D1	All PLOs
Midterm Exam					
10	May 2021	The endocrine system	2 Face to face	A1-A5, B1-B3, C3, D1	All PLOs
11	May 2021	The immune system	2 Face to face	A1-A5, B1-B3, C3, D1	All PLOs
11	May 2021	The respiratory system	2 Face to face	A1-A5, B1-B3, C3, D1	All PLOs
13	May 2021	The musculoskeletal system	2 Face to face	A1-A5, B1-B3, C3, D1	All PLOs
14	June 2021	Fluids, electrolytes, acid-base Balance	2 Face to face	A1-A5, B1-B3, C1-C3, D1	All PLOs
Final Exam					

Grading Plan and Assessment Tools

Assessment Tools	Weights	Due date
Mid-term	30	TBA
Assignments	---	---
Quizzes	20	TBA
Inter active lectures	---	---
Group Work	---	---
Presentation	---	---
Reports	---	---
Project	---	---
Case-Study	---	---
Final Exam	50	TBA



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Supplementary Reading

Textbook:

1. Tortora, G and Derrickson, B. (2014). Principles of Anatomy and Physiology, 14th Edition, John Wiley & Sons, Inc, USA. ISBN- 978-1- 118-80897-9.

References:

2. Widmaier, RP., Raff, H and Strang, KT (2019). Vander's Human Physiology: The Mechanisms of Body Function. 15th edition. McGraw Hill Education, New York, USA. ISBN 978-1-259-90388-5.
3. Sherwood, L (2016). Human Physiology: From Cells to Systems. 9th Edition, Cenagae Learning, Boston, USA. ISBN 978-1-285-86693-2.
4. OpenStax (2017). Anatomy and Physiology, OpenStax, visit <https://openstax.org>. This OpenStax book is available free at <http://cnx.org/content/col11496/1.8>.

Subject Coordinator

Dr. Maysoun Qutob

Signature:

Head of Curriculum Committee

Signature:

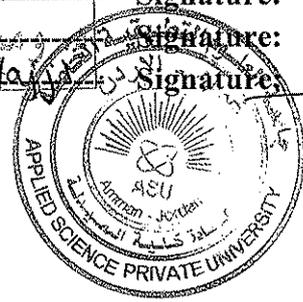
Department Head

Signature:

Faculty Dean

Signature:

Dr. Feras El-Hajj



Copy to:

- Department Head.
- Head of Curriculum Committee.
- Course File.

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رمز النموذج: UF 28 / 2

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