



ASU
APPLIED SCIENCE PRIVATE UNIVERSITY



Amman- Jordan

عمان - الأردن



كلية الصيدلة
Faculty Of Pharmacy



The Bachelor Degree in Pharmacy
of Applied Science Private
University is Certified by the
Accreditation Council for Pharmacy
Education



المستوى الذهبي

جامعة كل العربيه

Faculty : Pharmacy
Department : Clinical Nutrition & Dietetics
Academic Year : 2020-2021
Semester : Second Semester

(Course Syllabus)

Subject Name	Credit Hours	Course No.	Prerequisite	Concurrent course
Anatomy and Physiology I	3	908122	1501141 General Biology	----

Coordinator Name	Lecturer/s	Room No.	E-mail	Course website	Office Hours
Dr. Maysoun Qutob	Dr. Maysoun Qutob	4218	m_alqutob@asu.edu.jo	http://bio.asu.edu.jo/bio/index.jsp	As shown on lecturer time table

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.

Course Objectives

Upon successful completion of the course the student will be able to:

1. Identify all anatomical structure of the body.
2. Describe the anatomical structure and function of the human body.
3. Use the medical terminology in human body structure.
4. Describe cell and tissue functions and structure and organs of the human body.
5. Identify and describe the function of gastrointestinal, skeletal system, sensory and nervoussystem.

Intended Learning Outcomes

A. Knowledge and understanding:

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



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B. Subject specific skills:

- B1.** To correlate between organ functions and nutritional support.
- B2.** Knowledge of body organs and nutritional health
- B3.** To explore in details the function and structure of each of the mentioned body systems as well their integration to achieve homeostasis

C. Cognitive and Intellectual skills:

- C1.** Distinguish between physiological and pathological performance of different body systems.
- C2.** Suggest the basic physiological measurements used to test different body functions.
- C3.** Integrate physiology with other sciences.

D. Transferable Skills:

- D1.** Evaluate the significance of information taken in Physiology for subsequent Pathophysiology and Nutrition courses

Teaching and Learning Methods:

Development of ILOs is promoted through the following teaching and learning methods:

ILOs	Learning Methods	Evaluation Methods
All ILOs	Lectures Educational Videos Reference books	Multiple-choice exams

Learning skills:

- Critical thinking by enhancing their ability to define, describe, classify, and explain different physiological related issues.

Creative thinking by enhancing their ability to figure out possible solutions for some of the pathophysiological problems based on their understanding of some physiological concepts

Course Content:

Week	Date	Lecture number	Topic's Details	Ganic chemistry	Exam s/ /quize s/ holidays	Main Reference (chapter)	ILOs achieved
1-3	March 2021	5	Introduction to Human Body and Physiology: The Cell			Ref. 1, Ch. 1	A1



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			Levels of organizations in the Body Physiology of the blood and body fluids				
4 & 5	March 2021	4	The nervous system			Ref. 1, Ch. 6	A1-A5, B3, C1-C3, D1
6 & 7	April 2021	4	The gastrointestinal system			Ref. 1, Ch. 15	A1-A5, B1-B3, C1-C3, D1
8 & 9	April 2021	4	Tha cardiovascular physiology			Ref. 1, Ch. 12	A1-A5, B1-B3, C1-C3, D1
Midterm Exam							
10	May 2021	2	The endocrine system			Ref. 1, Ch. 11	A1-A5, B3, C1-C3, D1
11	May 2021	2	The immune system			Ref. 1, Ch 18	A1-A5, B3, C1-C3, D1
11	May 2021	2	The respiratory system			Ref. 1, Ch. 13	A1-A5, B3, C1-C3, D1
13	May 2021	2	The musculoskeletal system			Ref. 2, Ch. 10	A1-A5, B3, C1-C3, D1
14	June 2021	2	Fluids, electrolytes, acid-base Balance			Ref. 4, Ch. 26	A1-A5, B1-B3, C1-C3, D1
FINAL EXAM							

Grade Distribution:

Your course grade will be determined by the following:

<i>Assessment Method</i>	<i>% of Final Grade</i>	<i>Due Date</i>
Midterm exam	35	To be announced
Quizzes or Assignments	15	To be announced
Final exam	50	To be announced

* Provisional dates are scheduled in the course schedule. Each instructor will announce the exact date for the quizzes of each section at the beginning of the semester.

Course Policies:

A- Attendance policies:

Attendance: Mandatory.

First warning – with _____6____ absences

Last warning – with _____8____ absences

Failing in the subject – with _____10_____ absences

B- Absences from exams and handing in assignments on time:

Will result in zero achievement unless health report or other significant excuse is documented.

C- Health and safety procedures: N/A



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D- Honesty policy regarding cheating, plagiarism, misbehavior:

The participation, the commitment of cheating will lead to applying all following penalties together

1. Failing the subject he/she cheated at
2. Failing the other subjects taken in the same course
3. Not allowed to register for the next semester.
4. The summer semester is not considered as a semester

E- Grading policy:

Exams and Activities.

Midterm Exam:	__ 35 __	points
Quizzes or assignments	__ 15 __	points
Final Exam:	__ 50 __	points
Total:	__ 100 __	points

F- Available university services that support achievement in the course:

Required equipment:

Data show, internet connection, and white board (in-campus class)

Computer/laptop, internet connection and Microsoft teams program (online class)

Make-up Exam Policy:

Make-up exams will be offered for valid reasons. They may be different from regular exams, both in content and format.

Textbook's information:

Main Reference:

1. 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.

Other References

2. Tortora, G and Derrickson, B. (2014). Principles of Anatomy and Physiology, 14th Edition, John Wiley & Sons, Inc, USA. ISBN- 978-1- 118-80897-9.
3. Sherwood, L (2016). Human Physiology: From Cells to Systems. 9th Edition, Cengage 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>.



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No side talks during lecture
No mobile phones during lecture
Entering the lecture theatre on time as scheduled.

Homework should be done by students independently and will be asked at the exams

Course Material and Announcements

Students need to use the e-learning page at the ASU website in order to get all lecture handouts and guidelines that will be uploaded there.

In addition, course related announcements and exam results will be posted on the e-learning page and is the responsibility of each student to check the site regularly.

Name of Course Coordinator: **Dr. Maysoun Qutob**

Signature:

M Qutob

Date: 3/3/2021

Head of curriculum committee: **Dr. Reem Abutayeh** Signature:

د. ريم ابوتايه

Head of Department: Sofyan Maghaydahh ___Signature:

سوفيان مغايداه
رئيس قسم الصيدلة
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Dean: _____

Signature: _____

Copy to:

Head of Department

Head of curriculum committee

Course File