



**Jordan University of Science and Technology**  
**Faculty of Pharmacy**  
**Pharmacy Department**

PHAR562 Clinical Nutrition - JNQF Level: 6

First Semester 2023-2024

**Course Catalog**

2 Credit Hours. The human body and its connection with nutrients are the subject of this clinical nutrition course. The course presents an overview of the basic principles of human nutrition and discusses the properties and functions of macronutrients and micronutrients in human growth and development. The course content also describes the nutritional therapy and dietary requirements for patients in acute and chronic conditions, including cardiovascular diseases, kidney diseases, obesity and metabolic disorder, diabetes mellites, and gastrointestinal diseases. The course also discusses how food might influence the general well-being of infants, pregnant and lactating women, and the best nutritional practices for those populations.

**Text Book**

Title	Understanding Normal and Clinical Nutrition
Author(s)	Sharon Rolfes, Kathryn Pinna and Ellie Whitney
Edition	12th Edition
Short Name	Ref no. 1
Other Information	

**Instructor**

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**Instructor**

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**Class Schedule & Room**

Section 1:  
 Lecture Time: Tue : 10:30 - 11:30  
 Room: D4202

Section 2:  
 Lecture Time: Thu : 12:30 - 13:30  
 Room: D4202

**Prerequisites**

Line Number	Course Name	Prerequisite Type
305610	PHAR561 Therapeutics 3	Prerequisite / Study

**Tentative List of Topics Covered**

Weeks	Topic	References
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Week 1	Introduction to Clinical Nutrition Class	
Week 2	Overview of Nutrition (in class) & The Carbohydrate (Asynchronous)	Chapter (1-2) & Chapter 4 From Ref no. 1
Week 3	Overview of Nutrition (in class) & The Lipids (Asynchronous)	Chapter (1-2) & Chapter 5 From Ref no. 1
Week 4	Water Soluble Vitamins (in class) & Proteins (Asynchronous)	Chapter 10 & 6 From Ref no. 1
Week 5	Fat Soluble Vitamins (in class) & The Minor or trace Minerals (Asynchronous)	Chapter 11 From Ref no. 1
Week 6	Water and Major Minerals (in class) & The Minor or trace Minerals (Asynchronous)	Chapter 12 & Chapter 13 From Ref no. 1
Week 7	Water and Major Minerals (in class) & Nutrition: Pregnancy and Lactation (Asynchronous)	Chapter 12 & Chapter 13 From Ref no. 1
Week 8	Weight Management: Overweight, Obesity and Underweight (in class) & Discussion of the Mid-Exam (Asynchronous)	Chapter 9 & Chapter 14 From Ref no. 1
Week 9	Weight Management: Overweight, Obesity and Underweight (in class) & Nutrition during Infancy and Childhood (Asynchronous)	Chapter 9 & Chapter 15 From Ref no. 1
Week 10	Nutrition and Diabetes Mellitus (in class)	Chapter 26 From Ref no. 1
Week 11	Nutrition and Cardiovascular Diseases (in class) & Nutrition Therapy of the upper Gastrointestinal Disease (Asynchronous)	Chapter 27 & Chapter 23 From Ref no. 1
Week 12	Nutrition and Cardiovascular Diseases (in class) & Nutrition Therapy of the lower Gastrointestinal Disease (Asynchronous)	Chapter 27 & Chapter 24 From Ref no. 1
Week 13	Kidney Diseases (in Class) & Discussion of the active learning activities (Asynchronous)	Chapter 28 From Ref no. 1
Week 14	Medications and Diet-Drug Interactions (in class)	Chapter 19 From Ref no. 1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Identify the roles of macronutrients and micronutrients and their major functions in the body and their dietary sources. [1PLO1.1] [1L6K1]	25%	
Do nutritional assessment related to nutrients deficiency, excessive intakes, and potential nutrient-drug interactions based on sign and symptoms and other tools. [1PLO3.1] [1L6C4]	25%	
Identify the special-nutritional needs during childhood, pregnancy, and breastfeeding. [1PLO2.3] [1L6S2]	10%	
Apply the principles of nutrition therapy and life-style modifications for the primary and secondary prevention of acute and chronic conditions. [1PLO2.3] [1L6S3]	40%	

Relationship to Program Student Outcomes (Out of 100%)															
PLO1.1	PLO2.1	PLO3.2	PLO3.3	PLO2.2	PLO2.3	PLO2.4	PLO3.1	PLO3.4	PLO3.5	PLO3.6	PLO4.1	PLO4.2	PLO4.3	PLO4.4	PLO5.1
25					50		25								

Relationship to NQF Outcomes (Out of 100%)			
L6K1	L6S2	L6S3	L6C4
25	10	40	25

Evaluation	
Assessment Tool	Weight
Mid Exam	45%
Activities and quizzes	5%
Final Exam	50%

<b>Policy</b>	
Exams	The format for the exams is generally (but NOT always) Multiple-choice questions. Grades will not be given out via e-mail Makeup exam should not be given unless there is a valid excuse. Arrangements to take an exam at a time different than the one scheduled must be made prior to the scheduled exam time
Drop date	Last day to drop the course is before the twelve (12th) week of the current semester
Cheating	The commitment of the acts of cheating and deceit such as copying during examinations altering examinations for re-grade, plagiarism of homework assignments, and in any way representing the work of others as your own is dishonest and will not be tolerated. Standard JUST policy will be applied  المادة 7: إذا ضبط الطالب أثناء الامتحان أو الاختبار متلبساً بالغش فتوقع عليه العقوبات التالية مجتمعة أ- اعتباره راسباً في ذلك الامتحان أو الاختبار ب- الغاء تسجيله في بقية المساقات المسجل لها في ذلك الفصل ج- فصله من الجامعة لمدة فصل دراسي واحد، و هو الفصل التالي للفصل الذي ضبط فيه
Attendance	Excellent attendance is expected. JUST policy requires the faculty member to assign ZERO grades (35) if a student misses 10% of the classes that are not excused. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.
Work load	Average work-load student should expect to spend is 6 hours/week

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