



## Jordan University of Science and Technology

### Faculty of Pharmacy

### Doctor Of Pharmacy (Pharm D.) Department

PHMD670 Clinical Training: Clinical Nutritional Support - JNQF Level: 7

First Semester 2024-2025

#### Course Catalog

4 Credit Hours. This clinical rotation provides the essentials of nutritional support as a major determinant to manage critically ill patients through parenteral and enteral feeding. The course discusses the guidelines for the best selection and implementation of nutritional support and determining requirements to manage wasting syndromes. By the completion of this rotation, students are expected to establish solid foundation and clinical skills and knowledge of clinical nutrition support.

**Teaching Method:** On Campus

#### Text Book

<b>Title</b>	The ASPEN Adult Nutrition Support Core Curriculum, third Edition
<b>Author(s)</b>	Charles M. Mueller
<b>Edition</b>	3rd Edition
<b>Short Name</b>	Ref1
<b>Other Information</b>	

#### Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref2	American Society for Parenteral and Enteral Nutrition (ASPEN) Clinical Guidelines: <a href="https://www.nutritioncare.org/Guidelines_and_Clinical_Resources/Clinical_Guidelines/">https://www.nutritioncare.org/Guidelines_and_Clinical_Resources/Clinical_Guidelines/</a>	American Society for Parenteral and Enteral Nutrition (ASPEN) Clinical Guidelines	1st Edition	
Ref3	European Society for Clinical Nutrition and Metabolism (ESPEN) Guidelines: <a href="https://www.espen.org/guidelines-home/espen-guidelines">https://www.espen.org/guidelines-home/espen-guidelines</a>	European Society for Clinical Nutrition and Metabolism (ESPEN) Guidelines	1st Edition	

#### Instructor

<b>Name</b>	<b>Mrs. RUWIDAH BONYAN</b>
<b>Office Location</b>	26773
<b>Office Hours</b>	Sun : 10:30 - 11:30 Sun : 11:30 - 12:30 Mon : 10:30 - 11:30 Tue : 10:30 - 11:30 Wed : 10:30 - 11:30 Thu : 10:30 - 11:30
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#### Class Schedule & Room

Section 1:  
Lecture Time: U : -  
Room: HOSPITAL

#### Tentative List of Topics Covered

Weeks	Topic	References
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Weeks 1, 2, 3, 4	Assessment of nutrition status and nutrition requirements	From Ref1, From Ref2, From Ref3
Weeks 1, 2, 3, 4	Substrates used in parenteral and enteral nutrition	From Ref1, From Ref2
Weeks 1, 2, 3, 4	Water and electrolytes during nutritional support	From Ref1, From Ref2
Weeks 1, 2, 3, 4	Trace elements and vitamins in parenteral and enteral nutrition	From Ref1, From Ref2
Weeks 1, 2, 3, 4	Enteral nutrition	From Ref1, From Ref2
Weeks 1, 2, 3, 4	Parenteral nutrition	From Ref1, From Ref2
Weeks 1, 2, 3, 4	Monitoring of nutritional support	From Ref1, From Ref2
Weeks 1, 2, 3, 4	Complications of parenteral and enteral feeding (Refeeding syndrome, infections, aspiration, etc)	From Ref1, From Ref2
Weeks 1, 2, 3, 4	Nutritional support in critically ill and septic patients	From Ref1, From Ref2
Weeks 1, 2, 3, 4	Nutritional support in cachexia	From Ref1, From Ref2, From Ref3
Weeks 1, 2, 3, 4	Other selected topics (TBA)	From Ref1, From Ref2, From Ref3

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Recognize the different feeding formulas to demonstrate proficiency in selecting the most appropriate enteral or parenteral nutrition support. [1PLO1.1] [1L7S1, 1L7C2]	25%	
Select the most appropriate nutritional strategy for the patient based on wasting severity and energy requirement. [1PLO2.1] [1L7S2, 1L7C4]	25%	
Evaluate the complication of each clinical nutritional support method and how to treat or prevent it. [1PLO3.1] [1L7S3, 1L7C3]	30%	
Plan nutritional therapy for short bowel syndrome, weight loss, obesity, diabetes, trauma, wounds, hypertension, or other conditions. [1PLO4.4] [1L7C1, 1L7C4]	20%	

Relationship to Program Student Outcomes (Out of 100%)															
PLO1.1	PLO2.1	PLO2.2	PLO2.3	PLO2.4	PLO3.1	PLO3.2	PLO3.3	PLO3.4	PLO3.5	PLO3.6	PLO4.1	PLO4.2	PLO4.3	PLO4.4	PLO5.1
25	25				30										20

Relationship to NQF Outcomes (Out of 100%)						
L7S1	L7S2	L7S3	L7C1	L7C2	L7C3	L7C4
12.5	12.5	15	10	12.5	15	22.5

Evaluation	
Assessment Tool	Weight
Daily Evaluation	15%
Quizzes	10%
Oral exam	10%
Formal case presentation	15%
Final Exam	40%

Inservice	5%
Attitude	5%

Policy	
Exams	? The format for the exams includes multiple-choice questions, clinical case scenarios, and short essay questions. ? Grades will not be given out via e-mail
Makeup Exams	? 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 and academic dishonesty	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 راسياً في ذلك الامتحان أو الاختبار ب- الغاء تسجيله في بقية المساقات المسجل لها في ذلك الفصل ج- فصله من الجامعة لمدة فصل دراسي واحد، وهو الفصل التالي للفصل الذي ضبط فيه
Attendance	? Excellent attendance is expected. ? JUST policy requires the faculty member to assign a ZERO grade (35%) if a student misses a total of 20% of classes. ? If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.
Workload	? Average work-load student should expect to spend is 6 - 12 hours/week
Graded Exams	? Instructor should return exam papers graded to students.

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