



Course Syllabus of Enteral and Parenteral Nutrition

Faculty: Medicine and Health sciences

Department: Health Sciences

Program: Bachelor in Clinical Nutrition and Dietetic

I. General information about the course instructor :						
Name	Dr. Mansour Mohammed Abdullah Ghaleb		Office Hours(3 Hours Weekly)			
Location & phone number	00967770072719		Sat	Sun	Mon	Tue
Email	mansourghalib@yahoo.co.in					√

II. General information about the course :					
1.	Course Title:	Enteral and Parenteral Nutrition			
2.	Course Code and Number :	BND364			
3.	Credit Hours	Lecture	Seminar/Tutorial	Practical	Training
		1		1	
4.	Study Level and Semester:	3rd year / 2nd semester			
5.	Pre-requisites :	BND234			
6.	Co-requisites :	None			
7.	Program in which the course is offered	Bachelor in Clinical Nutrition and Dietetic			
8.	Teaching Language:	English			
9.	Instruction location:	University of Science and Technology, Sana'a, Yemen			

III. Course Description :	
<p>This course provide student with basic knowledge and practical skills regarding to type, characteristic, solution formulations, selection, administration and complication of enteral and parenteral formula based on nutrition assessment checklist for people receiving tube and parenteral feeding in order to deliver nutrition support according to case setting with safety concerns and responsibility of nutrition support team by use different teaching methods. The teaching strategies will include lectures, practical training self-learning and assignment. The students will be evaluated through report, written exam and practical exam. Principles of human nutrition is a prerequisite course.</p>	

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المراجع :
د. صادق الشراجي
د. مجاهد نصار

الموصف :
د. منصور غالب

رئيس القسم:
د. عبد الحبيب ريمان

عميد الكلية:
د. عبدالله المخلافي

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IV. Course Aims: This course is aimed to:


1. Provide student with the basic principle and concept of enteral and parenteral nutrition.
2. Learn student to differentiate between enteral and parenteral nutrition.
3. Enable student to determine the formula volumes to administer in tube feedings and calculate the macronutrient and energy content of a parenteral solution.
4. Help student to demonstrate the appropriate nutrition support in enteral and parenteral nutrition.

V. Course Intended Learning Outcomes (CILOs) :

1. Identify the concept and basic principle of enteral and parenteral nutrition.
2. State the types and indications of enteral and parenteral nutrition.
3. Analyze nutritional information of the formula volumes to administer in tube feedings.
4. Design appropriate nutrition support in enteral and parenteral nutrition.
5. Calculate nutrients for special diet to meet the nutritional requirements in enteral and parenteral nutrition support.
6. Apply enteral and parenteral nutrition according to Nutrition assessment checklist for people receiving enteral and parenteral nutrition.
7. Cooperate with supervisors and colleagues in the food service area to explore workflow and physical workspace.
8. Present clearly and effectively scientific topic in a tutorial or staff meeting & group discussion.



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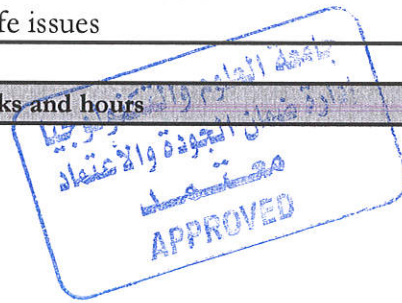
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د. مجاهد انصار


الموصف :
د. منصور غالب


VI. Course Contents :

First: Theoretical Aspect:

No.	Course Topics/Units	Sub-topics	No. of Weeks	Contact Hours
1	Overview of course content	Definition of Nutrition support, Enteral Nutrition, Parenteral nutrition	1 st	1
2	Enteral formulas	-Type of enteral formula -Formula characteristic:	2 nd	1
3	Enteral nutrition in medical care	-Oral use of enteral formulas -Indication for tube feeding -Feeding routes -Formula selection: -Meeting water need.	3 rd 4 th	2
4	Administration of tube feeding	-Safe Handling -Initiating and progression of tube feeding -Medication delivery through feeding tube -Tube feeding complication -Transition to table food	5 th 6 th 7 th	3
5		Mid Term Exam	8 th	1
6	Parenteral solution	- Indication of parenteral nutrition -Parenteral nutrients - Solution preparation - Parenteral Formulations	9 th 10 th	2
7	Administration parental nutrition	-Insertion and care of intravenous catheters - Administration parental solutions -Discontinuing intravenous feeding - Managing metabolic complications	11 th 12 th 13 th	3
8	Nutrition support at home	-Candidates for home nutrition support -Planning home nutrition care -Quality of life issues	14 th 15 th	2
9		Final Exam	16 th	1
Total number of weeks and hours			16	16



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Second: Practical/Tutorial/Clinical Aspects			
No.	Practical/Tutorial/Clinical topics	No. of Weeks	Contact Hours
1	Safety Concerns related to enteral and parenteral nutrition	2 nd	2
2	Case studies on tube feeding According to Nutrition assessment checklist for people receiving tube feeding	3 rd -5 th	6
3	Demonstration case study related tube feeding	6 th	2
4	Case studies on parenteral nutrition According to Nutrition assessment checklist for people receiving parenteral nutrition	7 th -9 th	6
5	Demonstration case study related to parenteral nutrition	10 th	2
6	Field visit to hospital	11 th -13 th	6
7	Practical Exam	14 th	2
Total number of weeks and hours		13	26

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