



Course Syllabus Medical Nutrition Therapy 1

Faculty: Medicine and Health sciences

Department: Health Sciences

Program: Bachelor in Clinical Nutrition and Dietetic

I. General information about the course instructor :

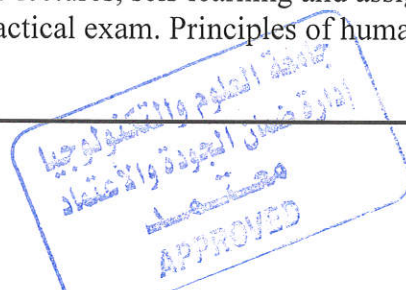
Name	Dr. Mansour Mohammed Abdullah Ghaleb	Office Hours(3 Hours Weekly)					
Location & phone number	00967770072719	Sat	Sun	Mon	Tue	Wed	Thu
Email	mansourghalib@yahoo.co.in	√					

II. General information about the course :

1.	Course Title:	Medical Nutrition Therapy 1				
2.	Course Code and Number :	BND362				
3.	Credit Hours	Lecture	Seminar/Tutorial	Practical	Training	Total
		3				3
4.	Study Level and Semester:	3 rd year/ 2 nd 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

This course provides students with the basic theoretical knowledge that forms the foundation of safe and effective practice in individual case management of protein energy malnutrition anemia, vitamin A, iodine deficiency, vitamin D deficiency and gastrointestinal diseases, which focuses on the nutrition care of individuals, in the community and health setting through different teaching strategies to support/improve quality of life . The teaching strategies will include lectures, self-learning and assignment. The students will be evaluated through report, written exam and practical exam. Principles of human nutrition is an prerequisite course.



الجودة
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عميد الكلية:
د. عبدالله المخلافي

رئيس القسم:
د. عبد الحبيب زيمان

المراجع:
د. مجاهد نصار

الموصف:
د. منصور غالب

IV. Course Aims: This course is aimed to:

1. Provide the student the knowledge to recognize the relationship between food, nutrition and diet therapy.
2. Enable student to explore the nutritional problems that are caused by specific diseases
3. Learn students to plan/apply the nutritional treatment according to individual case study.
4. Provide student the skills to assess/evaluate appropriate nutritional care or diet therapy for the patients.
5. Enable student to discuss/ negotiate appropriate nutritional management.

Make the students able to describe nutritional care based on patient medical history

V. Course Intended Learning Outcomes (CILOs) :

1. Recognize the importance and relationship between food nutrition and diet therapy.
2. Describe the nutrition problems that are caused by specific diseases.
3. Analyze appropriate nutritional care or diet therapy for the patients.
4. Categorize nutritional treatment according to individual case study.
5. Assess appropriate nutritional care process of the patients where nutrition care can be delivered.
6. Apply nutritional care based on patient medical history, etiologies, signs and symptoms.
7. Communicate actively with other staff members as well as the employees and students.
8. Cooperate with patient to explore the nutritional problems that are caused by specific disease.

VI. Course Contents

Theoretical Aspect:

No.	Course Topics/Units	Sub-topics	No. of Weeks	Contact Hours
1	Overview course of content Malnutrition	Malnutrition classification Common causes of malnutrition Classification of malnutrition Physical signs of PEM Cachexia and its main symptoms, who is at risk of malnutrition? Symptoms and causes of Kwashiorkor? Symptoms and causes of marasmus Screening tools used to detect malnutrition in the hospital setting Main causes of hospital malnutrition Principal ways of treating a malnourished patient	1 st , 2 nd	6
2	Anemia	Anemia Classification of anemia Iron Deficiency anemia Causes of iron deficiency anemia Stages of iron deficiency Tests for iron deficiency Iron deficiency: clinical findings Supplementation for iron deficiency anemia Nutritional management of iron deficiency anemia	3 rd , 4 th , 5 th , 6 th	12

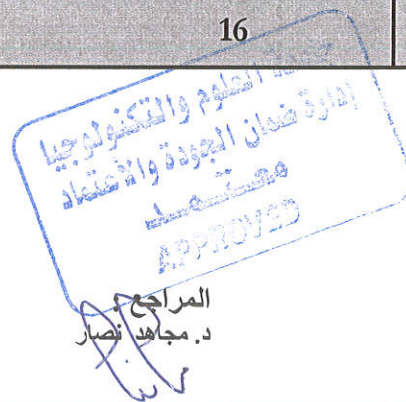
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المراجع :
د. مجاهد نصار

الموصف :
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		Iron toxicity Megaloblastic anemia Macrocytic anemia Pernicious Anemia Vitamin B12 depletion Folic acid deficiency Sickle cell anemia Thalassemia Other Nutritional anemia Nutritional management of Anemia		
3		Mid-term exam	7 th	3
4	Vitamin A deficiency	-Vitamin A deficiency (VAD) -Symptom, sign and complications of vitamin A deficiency -Nutritional management of vitamin A deficiency	8 th	3
5	Iodine Deficiency Disorder (IDD)	-Iodine deficiency disorder (IDD) -Symptom, sign, and complications of iodine deficiency disorder -Nutritional management of iodine deficiency disorder	9 th	3
6	Vitamin D deficiency	-Vitamin D deficiency -Symptom and sign and complications of vitamin D/ disease associated with deficiency of vitamin D (rickets, osteoporosis and osteopenia -Nutritional management of vitamin D	10 th	3
7	Diet in Diseases of the Gastrointestinal Tract	Nutrition in Selected Diseases of the Upper & lower GI Tract: - Functions of the gastrointestinal tract - Diarrhea and dietary modifications - Constipation and dietary modifications -Peptic Ulcer Disease, gastric and duodenal ulcer, aggressive and protective factors for gastro duodenal mucosa and dietary modifications -Gastro esophageal Reflux Disease - Celiac sprue and diet therapy -Inflammatory bowel disease and diet therapy - Short Bowel Syndrome and diet therapy - Diverticular Disease of the Colon and diet therapy	11 th , 12 th , 13 th , 14 th , 15 th	15
		Final exam	16 th	3
Total number of weeks and hours			16	48

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