



Course Syllabus of Nutrition Assessment and Surveillance

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:	Nutrition Assessment and Surveillance				
2.	Course Code and Number :	BND352				
3.	Credit Hours	Lecture	Seminar/Tutorial	Practical	Training	Total
		2		1		3
4.	Study Level and Semester:	3 rd year/ 1 st semester				
5.	Pre-requisites :	BND234				
6.	Co-requisites :	None				
7.	Program in which the course is offered	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 the steps of nutrition care process with form of nutrition assessment tools, teaches techniques and interpretation parameters (anthropometric, biochemical, clinical and dietary data) supported by many examples of teaching materials to determine the nutritional status, requirements and practice interventions in health and disease. 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.

عميد الكلية:
د. عبدالله المخلافي

رئيس القسم:
د. عبد الحبيب ربحان

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المراجع:
د. صادق الشراجي
د. مجاهد نصار

الموصف:
د. منصور غالب

IV. Course Aims: This course is aimed to:

1. Provide the student with the knowledge of nutrition care process and existing validated form/tools of nutrition assessment.
2. Make the students able to differentiate the nutritional indices used in assessment of health and nutritional status and explore between normal and abnormal findings.
3. Acquire student the skills to demonstrate specific nutritional assessment techniques and tools appropriate for unique stages during life cycle.
4. Facilitate the method of interpretation of parameters and data needed for integrating a complete nutritional assessment into the nutrition care process in nutrition-related problems, their causes, and significance.
5. Discuss strategies for integrating a complete nutritional assessment into the nutrition care process in the health setting.

V. Course Intended Learning Outcomes (CILOs) :

1. Discuss nutrition care process, appropriate methods of nutrition assessment and surveillance for a given situation.
2. Describe in detail the nutritional methods used to assess dietary intake among individuals and populations
3. Analyses data collecting through nutritional assessment
4. Integrate data collecting from anthropometric, dietary assessment and clinical investigation with other method of nutrition assessment
5. Apply appropriate nutritional assessment techniques during life cycle.
6. Interpret anthropometric, biochemical and dietary data collecting from individuals or population
7. Cooperate with supervisors and colleagues and show the appropriate responsibility, self-confidence and behaviors.
8. Perform continuous medical education.

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VI. Course Contents

Theoretical Aspect:

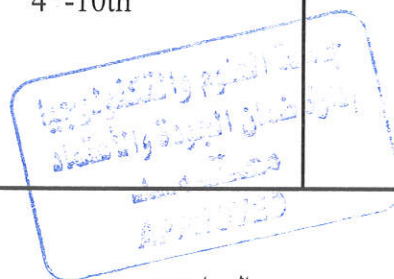
No.	Course Topics/Units	Sub-topics	No. of Weeks	Contact Hours
1	Overview course of content	Definition of:(Nutrition, Nutrition Status, Nutrition Assessment, Purpose of nutrition assessment, Nutritional Assessment Methods Nutrition Screening Specialized Nutrition Support, Nutrition Care Process,) History of Nutrition Assessment : Medical, Social and Dietary History Survey, Surveillance.	1 st	2
	Concept of Nutrition Assessment			
2	Nutritional assessment methods: A	A: Anthropometric methods: body measurement weight, height, mid-upper arm circumference , chest circumference, head circumference, waist circumference, hip circumference, wrist circumference, skin folds thickness, ulna length , knee height, half arm-span , demi span, Estimate BMI category from mid upper arm circumference (MUAC)&Determining BMI for amputees). ❖ Evaluation of Anthropometric indices based on references distribution/references limits/cut of points).	2 nd , 3 rd , 4 th , 5 th	8
3		Midterm exam	6 th	2
4	Nutritional assessment methods: B	B:Biochemical/Laboratory methods ❖ Evaluation of Laboratory Data in Nutrition Assessment: (Definition of some selected nutrients for Laboratory diagnoses, Nature of indicators, Criteria for selection, interpretation, cut points of some nutrients as, normal, and up normal according to the laboratories investigations	7 th	2
5	Nutritional assessment methods: C	C: Clinical methods: ❖ Clinical signs of nutrient deficiency ❖ Nutritional abnormality(Sign/symptom) ❖ Sign & Possible nutrition-related causes	8 th	2
6	Nutritional assessment methods: D	D: Dietary methods: ❖ Dietary assessment, dietary assessment principles and the purpose of collecting dietary intake data ❖ Five Main Methods to Collect Data on	9 th ,10 th	4

		Dietary Intake: <ul style="list-style-type: none"> ❖ Nutritional History ❖ 1-7 Day Food Record ❖ 24-Hour Recall ❖ "Usual" Daily Intake ❖ Food Frequency Questionnaire (FFQ) ❖ Standards for evaluating the adequacy of dietary intake 		
7	Nutrition care process:(ADIME)	Nutrition care process steps:, (Assessment, Diagnosis, Intervention, Monitoring and Evaluation).	11 th ,12 th	4
8	Nutrition screening	Nutrition screening: a supportive system to the nutrition assessment (Malnutrition Universal Screening Tool (MUST	13 th	2
9	Surveys& Surveillance	Concepts of survey& surveillance Methods for Data Collection about the target population Rapid assessment (Objective , data type and methods (Survey(Objective , data type and methods (Surveillance (Objective , data type and methods Characteristics of survey, surveillance &Rapid assessment Type of surveillance Advantages and dis advantages of survey&-surveillance	14 th ,15 ^t _h	4
10		Final exam	16 th	2
Total number of weeks and hours			16	32

Second: Practical/Tutorial/Clinical Aspects:

No.	Practical/Tutorial/Clinical topics	No. of Weeks	Contact Hours
1	The Nutrition Care Process (NCP) Screening Logbook(A-D-I-M-E format)	2 nd ,3 rd	4
2	Nutrition Assessment Nutritional assessment methods: A Nutritional assessment methods: B Nutritional assessment methods: C Nutritional assessment methods: D	4 th -10 th	14

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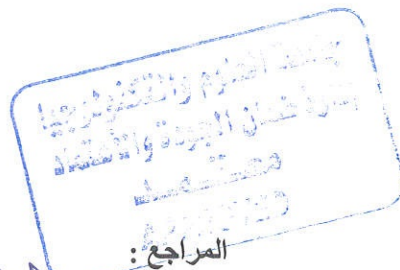


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3	Nutrition Diagnosis	11 th	2
4	Nutrition Intervention or Dietary Management	12 th	2
5	Monitoring and Evaluation Plan	13 th	2
6	Lab Exam	14 th	2
Total number of weeks and hours		13	26

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