



## Course Syllabus of Public Health and Occupational Safety

**Faculty:** Medicine and health sciences  
**Department:** Health Sciences  
**Program:** Bachelor in Clinical Nutrition and Dietetic

I. General information about the course instructor:							
Name	Dr. Mahdi Al-Krawani	Office Hours(3 Hours Weekly )					
Location & phone number	Sana'a: 777240096	Sat	Sun	Mon	Tue	Wed	Thu
Email	<a href="mailto:msmahdisaad@gmail.com">msmahdisaad@gmail.com</a>			√			

II. General information about the course:					
1. Course Title :	Public Health and Occupational Safety				
2. Course Code and Number :	BND243				
3. Credit Hours :	Credit Hours				Total
	Theoretical	Seminar/Tutorial	Practical	Training	
	1	-	-	-	1
4. Study Level and Semester:	2 <sup>nd</sup> year / 2 <sup>nd</sup> semester				
5. Pre-requisites :	BND233				
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 give students an overview of the broad field of public health, which centers in the role of nutrition on health promotion and disease The students with be introduced to health determinants , health dimensions, main public health problems, principles of primary health care, occupational health and safety, occupational hazards and diseases, personal hygiene and food hygiene. prevention. The course is based on lectures as well as seminars, case studies and problem solving. Throughout this course, students will be actively engaged in discussions and activities that promote a greater understanding of public health as a system, as well as its interdisciplinary connections to other health care fields. The students will be evaluated through written exam and report evaluation. Principles of</p>	

عميد الكلية:  
د. عبد الله المخلافي

رئيس القسم:  
د. عبد الحبيب ردمان

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المراجع:  
د. امل الاحمدي  
د. مجاهد نصار

الموصف:  
د. مهدي القرواني

Food science course is a prerequisite course.

**IV. Course Aims:** This course is aimed to:

1. Learn student the basic principle of health determinants, health dimensions , personal hygiene and food hygiene.
2. Enable students to determine the role of nutrition in health promotion and in diseases prevention.
3. Provide students the skills required to recognize the main public health problems and occupational hazards and diseases.
4. Assess student to identify the principles and components of primary health care and the indicators of health .
5. Inform the student about the concepts and the different programs of occupational health and safety.

**V. Course Intended Learning Outcomes (CILOs) :**

1. Identify the determinants and dimensions of health, indicators of health and explain the main functions of public health.
2. Discuss the main public health problems ,the levels of prevention and role of nutrition in health promotion and in disease
3. Recognize the principles and components of primary health care
4. Describe Types of occupational hazards and diseases.
5. Outline and apply the principles of individual and food hygiene.
6. Distinguish the relationship between nutrition and public health.
7. Relate health promotion/prevention/protection concepts to the occupational health and safety program.
8. Apply theories and concepts of occupational health and safety to the development and management of programs..
9. Reporting of educational activities, class/bulletin board/pamphlet, and practices to supervisors and professionals through written reports and presentations.



الموصف :  
د. مهدي القزويني

VI. Course Contents				
Theoretical Aspect:				
No.	Course Topics/Units	Sub-topics	No. of Weeks	Contact Hours
1	Introduction to the course and health	<ul style="list-style-type: none"> <li>✓ Overview of course content</li> <li>✓ Health definition</li> <li>✓ Health dimensions</li> <li>✓ Health spectrum</li> <li>✓ Positive health</li> </ul>	1 <sup>st</sup>	1
2	Determinants of health	<ul style="list-style-type: none"> <li>✓ Biological</li> <li>✓ Behavioral and cultural</li> <li>✓ Environmental and occupational</li> <li>✓ Socio-economic</li> <li>✓ Health services</li> <li>✓ Other determinants</li> </ul>	2 <sup>nd</sup>	1
3	Introduction to public health	<ul style="list-style-type: none"> <li>✓ Definition</li> <li>✓ Functions</li> <li>✓ Health promotion</li> </ul>	3 <sup>rd</sup>	1
4	Nutrition and public health (1)	<ul style="list-style-type: none"> <li>✓ Role of nutrition in health promotion</li> </ul>	4 <sup>th</sup>	1
5	Nutrition and public health (2)	<ul style="list-style-type: none"> <li>✓ Role of nutrition in diseases prevention (acute and chronic)</li> </ul>	5 <sup>th</sup>	1
6	Prevention	<ul style="list-style-type: none"> <li>✓ Definition</li> <li>✓ Levels</li> </ul>	6 <sup>th</sup>	1
7	Mid-Exam		7 <sup>th</sup>	1
8	Main public health problems	<ul style="list-style-type: none"> <li>✓ Risky behaviors</li> <li>✓ Obesity</li> <li>✓ Pollution</li> <li>✓ Malnutrition</li> </ul>	8 <sup>th</sup> ,9 <sup>th</sup>	2
9	Primary health care	<ul style="list-style-type: none"> <li>✓ Definition</li> <li>✓ Principles</li> <li>✓ Components</li> </ul>	10 <sup>th</sup>	1
10	Indicators of health (1)	<ul style="list-style-type: none"> <li>✓ Mortality indicators</li> <li>✓ Morbidity indicators</li> <li>✓ Disability rates</li> <li>✓ Nutritional status</li> </ul>	11 <sup>th</sup>	1



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		indicators		
11	Indicators of health (2)	<ul style="list-style-type: none"> <li>✓ Health care delivery indicators</li> <li>✓ Utilization rates</li> <li>✓ Indicators of social and mental health</li> <li>✓ Environmental indicators</li> <li>✓ Socio-economic indicators</li> <li>✓ Indicators of quality of life</li> </ul>	12 <sup>th</sup>	1
12	Occupational health and safety	<ul style="list-style-type: none"> <li>✓ Definition</li> <li>✓ Importance</li> <li>✓ Components</li> <li>✓ Program of occupational health definition</li> <li>✓ Program of occupational health Elements</li> </ul>	13 <sup>th</sup>	1
13	Occupational hazards and diseases	<ul style="list-style-type: none"> <li>✓ Hazards types</li> <li>✓ Hazards protection</li> <li>✓ Occupational diseases definition</li> <li>✓ Occupational diseases types</li> </ul>	14 <sup>th</sup>	1
14	Hygiene	<ul style="list-style-type: none"> <li>✓ Definition</li> <li>✓ Personal hygiene</li> <li>✓ Food hygiene</li> </ul>	15 <sup>th</sup>	1
15	Final Exam		16 <sup>th</sup>	1
Total number of weeks and hours			16	16

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