

Course Syllabus of Primary Health Care and Family Medicine 2

Faculty : Faculty of Medicine & Health Sciences

Department : Community

Program : Bachelor of Medicine and Surgery

I. General information about the course instructor:							
Name	EssamHamdiAlsafadui	Office Hours(3 Hours Weekly)					
Location & phone number	Community medicine 711286665-771772122	Sat	Sun	Mon	Tue	Wed	Thu
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II. General information about the course:							
1.	Course Title :	Primary Health Care and Family Medicine 2					
2.	Course Code and Number :	BMD12					
3.	Credit Hours :	Credit Hours					Total
		Theoretical	Seminar/Tutorial	Practical	Clinical	Training	
		2.5	-	0.5	-	-	3
4.	Study Level and Semester:	3 rd year /1 st semester					
5.	Pre-requisites:	-Introduction to community medicine and environmental health -Primary health care and family medicine 1 -Biostatistics					
6.	Co-requisites :	None					
7.	Program in which the course is offered:	Bachelor of medicine and Surgery					
8.	Teaching Language:	English					
9.	Instruction location:	University of Science and Technology, Sana'a					

III. Course Description

The general aim of the course is to introduce students to the practice of community-oriented primary care. This course intends to equip medical students with essential concepts and applications in Epidemiology. Students will be exposed to morbidity and mortality concepts & calculations as incidence, prevalence, risk ratios, odd ratio, relative risk. Also they will be discuss different epidemiological study designs and their characteristics. They will be exposed to route of infection and their way of prevention. Teaching and learning methods include lecture, tutorials, and small group discussion.

IV. Course Aims:

Course Aims are:

- 1-To provide the students with knowledge about the role of epidemiology in the medicine.
- 2-To provide students with knowledge about the concept of disease transmission and disease causation .
- 3-To Learn the students about some of the scientific methods of disease prevention and control within communities
- 4- To develop the students, the skill of communication with the community which start in previous course (primary health care and family medicine 1)

V. Course Intended Learning Outcomes (CILOs) :

- 1- Describe aims, uses of epidemiology and the different stages of the natural history of disease and disease transmission
2. Identify the different levels of disease prevention and control measure .
3. Recognize the epidemiological triangle as a multiple causes of disease occurrence including the different tools of epidemiological measures.
4. Integrate the epidemiological analysis process with the findings of such analyses
5. Apply different levels of prevention and control measures to some health and health related problems.
6. Apply the different research designs with its uses and its advantages and disadvantages including association and causation
7. Communicate effectively in a team as a member of them.

VI. Course content				
Topics/Units of Course Contents				
First: Theoretical Aspects				
No	Course Topics/Units	Sub-topics	No. of Lectures	Contact Hours
1	Introduction to epidemiology Epidemiology approach.	-function of epidemiology descriptive and analytical epidemiology -	2	4
2	Basic measurements in epidemiology	-rate ,ratio and proportion -incidence and prevalence -	1	2
3	Measures of frequency :	incidence and prevalence (point and period)	1	2
4	Descriptive and Analytical studies	-cross-sectional study -case-control study -cohort study	2	4
5	Experimental studies .	-randomized - non-randomized studies	1	2
6	Association & causation.	- Definition - Types - Uses - Criteria for judging causation - Web of causation	1	2
7	Dynamic of disease transmission.	-Define the chain of infection - the Six components of chain of infection -Uses	1	2
8	Mode of transmission	-Direct mode of transmission -Indirect mode of transmission	1	2
9	Host & host susceptibility.	Immunity definition and types	1	2
10	Host defense	- Factors related to immune response - Examples	1	2
11	Disease prevention.	- Definition - Levels - Uses	1	2
12	Community diagnosis	- Concept - Methods - Communication	1	2
13	-The reservoir of the infection. -The rout .	- Definition - Types - Importance	1	2

	-Control of the reservoir.	<ul style="list-style-type: none"> - Rout of entry - Rout of exit - Control of reservoir 		
14	Early diagnosis.	<ul style="list-style-type: none"> Concept Function Methods 	1	2
15	Notification.	<ul style="list-style-type: none"> Definition Importance Methods 	1	2
16	Epidemiological investigation. Disinfection.	<ul style="list-style-type: none"> -definition of outbreak -importantsteps -preventive and control measures -outbreak report writing 	2	4
Total			19	38=2.5 CH

Second: Practical/Tutorial/Clinical Aspects			
No.	Practical/Tutorial/Clinical topics	No. of sessions	Contact Hours
1	Sources of health data(MOHP)	2	4
2	Program for disease prevention & control(MOHP)	2	4
3	Distribution of health related events(MOHP)	2	4
4	Preventive measures (health centers)	2	3
Total		8	15=0.5CH