

## Course Syllabus of Community Medicine

**Faculty:** Faculty of Medicine & Health science

**Department:** Community

**Program :** Bachelor of Medicine and Surgery

I. General information about the course instructor :							
Name	Prof. Dr. Ahmed Ali Qaid Dr. Majed Wadi	Office Hours(3 Hours Weekly )					
Location & phone number	Comm. Med. Dept 4120	Sat	Sun	Mon	Tue	Wed	Thu
Email	<a href="mailto:m.wadi@ust.edu">m.wadi@ust.edu</a>		✓			✓	✓

II. General information about the course:							
1	Course Title :	Community Medicine					
2	Course Code and Number :	BMD42					
3	Credit Hours :	Credit Hours					Total
		Theoretical	Seminar/Tutorial	Practical	Clinical	Training	
		1	-	4	-	-	5
4	Study Level and Semester:	6th year, 1nd semester					
5	Pre-requisites :	BMD16, BMD11, BMD12, BMD13, BMD14					
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

This course is intended to strengthen the knowledge base for research as well as supporting field activities in the PHC center. Basic concepts of analytic epidemiology are required for answering research questions requiring analytic epidemiological study designs. Applied biostatistics is essential for analyzing and interpreting data obtained during the research project. Practice of evidence-based medicine is now becoming the norm. Therefore, in order to understand medical literature as well as to collect, analyze, organize and interpret data and use information in a meaningful manner, understanding of basic biostatistics is essential for medical students.

Conducting a research study provides students the opportunity to practice acquisition of research skills that may be applicable in health care settings such as at the PHC level of care. Teaching and learning methods include lectures, tutorials, seminars, and field research.

### IV. Course Aims:

1. To acquire the knowledge and skills of conducting scientific research
2. To conduct a scientific research
3. To write and present the report of the research study (graduation research)
4. To disseminate research results

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

1. Describe research and different research designs with its uses and its advantages and disadvantages
2. Outline the steps of research from identification of the health problems to dissemination of results
3. Integrate the basic concepts of research methodology, biostatistics , epidemiology, communicable and non-communicable diseases into research project
4. Appraise the relevant literatures to the research topic
5. Conduct research project properly from writing the proposal to final report and present the research results in good manner
6. Recognize the supervisor role in the research project
7. Consider the patient rights and ethical issues in the research
8. Work effectively in research team
9. Use the computer tools in data management and presentation

<b>a. Course Contents</b>				
<b>First: Theoretical Aspects</b>				
<b>No.</b>	<b>Course Topics/Units</b>	<b>Sub-topics</b>	<b>No. of Lectures</b>	<b>Contact Hours</b>
1	Introduction Introduction	Introduction to the health system research : what is a research, Prioritizing and selecting a research topic	1	1
2	Planning of research	Review of literature and other existing information	1	1
		Writing the research proposal : Introduction , Format for the protocol	1	2
		Research objectives and Hypothesis	1	1
		Questionnaire design	1	2
		Writing References	1	2
3	Analyzing data	Research results: Describing and analyzing research results	1	2
		Statistical Testes	2	4
<b>Total</b>			<b>9</b>	<b>15=1 CH</b>

<b>:Second: Practical/Tutorial/Clinical Aspects</b>			
<b>No.</b>	<b>Practical/Tutorial/Clinical topics</b>	<b>No. of Sessions</b>	<b>Contact Hours</b>
1.	Select the topic & literature review		15
2.	Writing the proposal		25
3.	Data collection		40
4.	Data analyzing		10
5.	Writing final report		20
6.	Presentation writing & discussion of report		10
<b>Total</b>			<b>120= 4CH</b>