

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Public Health
Course number	BIOL1282
Faculty	
Department	
Course type	College Needs
Course level	1
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 -	To demonstrate an understanding of the Public health. The fundamentals and concepts of Public health will be presented, including
2 -	The aims of public health, levels of health. Epidemiology, Epidemiological triangle. Factors affect health and disease. Characteristics of infectious disease agents. Immunity. Environmental factors. Steps of spreading of the infectious diseases.
3 -	Definition, source of infection, Entry of infection. Prevention and control of the infectious diseases. The types and causes of diseases. Viral infections and examples of it.
4 -	Definition, types of health indices. Measurement of risk with examples.
5 -	Definition of environmental health and sanitation. Environmental health problems including: Air pollution. Water quality and quantity. Solid waste management. Waste water disposal. Food hygiene and safety. Radiation.
6 -	Definition and objectives of maternal health. Program of maternal health includes: Pre-conceptional care. Pre-natal care. Natal care. Post-natal care. Inter-conceptional care. Health education. Outcome of pregnancy and factors affecting it. Maternal health problems. Health problems of preschool age. Handicapped children. Prematurity. School health.
7 -	Types of Epidemiological studies. Screening and examples of it.
8 -	Definition of it and types of vaccines. Immunization schedule.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * Illustrate the concepts and definition of Public health. * Interpret aims of public health, levels of health. Epidemiology, Epidemiological triangle. Factors affect health and disease. Characteristics of infectious disease agents. Immunity. Environmental factors. Steps of spreading of the infectious diseases. * Understand how we classify types of epidemiological studies. Screening and examples of it.
Intellectual Skills	<ul style="list-style-type: none"> * Distinguish between branches of Public health. * Discriminate Epidemiological studies. Screening and examples of it.
General Skill	<ul style="list-style-type: none"> * Effectively team work for intensive learning

Course Contents

- 1 -
 - Concepts and definition
 - Public health, Aims of public health, levels of health.
 - Epidemiology, Epidemiological triangle.
 - Factors affect health and disease.
 - Characteristics of infectious disease agents.
 - Immunity.
 - Environmental factors.
 - Steps of spreading of the infectious diseases.
- 2 - Infection
 - Definition, source of infection, Entry of infection.
 - Prevention and control of the infectious diseases.
 - The types and causes of diseases.
 - Viral infections and examples of it.
 - Bacterial infections and examples of it.
- 3 - Health Indices
 - Definition, types of health indices.
 - Measurement of risk with examples.
- 4 - Environmental Health
 - Definition of environmental health and sanitation.
 - Environmental health problems including: Air pollution. Water quality and quantity. Solid waste management. Waste water disposal. Food hygiene and safety. Radiation.
- 5 - Maternal and Child Health
 - Definition and objectives of maternal health.
 - Program of maternal health includes: Pre-conceptional care. Pre-natal care. Natal care. Post-natal care. Inter-conceptional care. Health education.
 - Outcome of pregnancy and factors affecting it.
 - Maternal health problems.
 - Health problems of preschool age.
 - Handicapped children.
 - Prematurity. School health.
- 6 - Epidemiological studies
 - Types of Epidemiological studies. Screening and examples of it.
- 7 - Vaccination
 - Definition of it and types of vaccines. Immunization schedule.

Teaching and Learning Methods

- 1 - lectures
- 2 - Revision and Discussion sections
- 3 - Student presentation

Teaching and Learning Methods for the Disabled Students

- 1 - Lectures
- 2 - Revision and Discussion sections
- 3 - Help each student according to his needs and his condition

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First mid-term exam	60minutes	20
Second mid-term exam	60minutes	20
Attendance and discussion		10
Final exam	120minutes	50

Books and References

Course note	Notes prepared by the lecturer
Essential books	The New Public Health. An introduction for the 21 st century. Theodore H. Tulchinsky and Elena A. Varavikova

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Concepts and definition	1-2	to evaluate the basic knowledge of student in the field of Public health	Introduction to Public health		Appreciate learning from literatures
Infection	3-4	Characteristics of Infection	Understanding the Infection and source of infection,		Knowledge about nature of Infection and the Prevention and control.
Health Indices	5-6-7	Understanding the Health Indices	Knowledge about types of health indices.		Understanding about Measurement of risk
Environmental Health	8-9	Understanding the environmental health and sanitation.	Understanding the Environmental Health		Knowledge about the Environmental health problems
Maternal and Child Health	10-11	Knowledge about maternal and child health	Understanding what are the program of maternal health		Understanding what are the health education.
Epidemiological studies	12-13	Distinguish and classify Types of Epidemiological studies.	Knowledge about Epidemiological studies.		Understanding what the differences between types of Epidemiological studies.
Vaccination	14-15	Understanding types of vaccines.			