

Course Plan of (Epidemiology)

II. Course Description:

This course focuses on the pattern of occurrence of communicable and non-communicable disease of significance importance in the community and its effect on national health status. Also the course will be introduced the essential epidemiological terminologies and control and prevention methods to communicable and non-communicable disease.

IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Introduction to epidemiology	- The historical context. - Definition of epidemiology - Objectives of epidemiology. - Uses of epidemiology	1	2
2	Concepts of Disease Occurrence	- Epidemiologic Triangle (Triad) - Epidemiologic Concepts	1	2
3	Chain of Infection	- Reservoir - Portal of exit - Modes of transmission - Portal of entry - Host	1	2
4	Levels of prevention	- Definition of prevention - Levels of prevention: - Primary prevention - Secondary prevention - Tertiary prevention	1	2

5	Methods of control of communicable diseases	▪ Main methods of control ✓ Elimination of Reservoir of Infection ✓ Interruption of Transmission ✓ Susceptible Host Protection ▪ General methods for control of communicable diseases ✓ Preventive Measures ✓ Control of Patient, Contact and Environment ✓ Epidemic Measures ✓ International Measures ▪ Nursing function in communicable diseases control	1	2
6	Measures of risk	▪ Frequency Measures ▪ Morbidity Frequency Measure ▪ Mortality Frequency Measures ▪ Birth Measures ▪ Measures of Association	1	2
7		Midterm exam	1	2
8	Epidemiology methods of surveillance	Methods of surveillance in epidemiology	1	2
9	Screening	Screening	2	4
10	Types of epidemiological studies	▪ Observation epidemiology ▪ Experimental epidemiology	5	10
11		Final exam	1	2
Number of Weeks /and Units Per Semester			16	32

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