

Ilam University of Medical Sciences

School of Health

COURSE AND LESSEN PLAN

Course Name: Principles of Epidemiology

Unit Number: 2

Department: Practical Social Medicine:

Number of hours: 34

Second semester of 2020-2021 General purpose of the course: Familiarization of learners with all health activities such as fighting infectious and non-communicable diseases and health services

Place of classes: School of Health Number of students:

**General Lesson Objectives:**

Given the scope of the definition of health and the various factors affecting it, how to extract occupational health problems

It is exclusive. For this purpose, there is an efficient tool called epidemiology, which is the basis for doing the job

It is research. Using this tool, the physician can identify risk factors and health needs of the community

In addition, knowing the distribution of different diseases in different places and also in different age groups,

Sexually and socially to achieve a more accurate diagnosis of the disease in patients

**How to evaluate a student:**

A) During the course (presenting homework and participating in class activities)

B) End of course exam

Rules and how to deal with student absenteeism and delay: will be applied in accordance with the educational rules of the faculty.

Session	Day/time	Topic	Lecturer
1	Saturday 10-12	History, goals and definitions of epidemiology	Dr. asadullahi

2		Recognition of factors affecting the health status of society (Triangular factors of diseases)	
3		The concept of prevention and its types, the natural course of the disease	
4		Types of common studies in epidemiology (Descriptive / cross-sectional studies)	
5		Types of common studies in epidemiology (Analytical studies: a case-control group)	
6		Types of common studies in epidemiology (Intervention studies)	
7		Screening (concept, purpose, characteristics)	
8		Steps to study an epidemic and how to report epidemics	
9		Types of epidemics (single-source, multi-source)	
10		Health indicators (damping and morbidity indices, Survival and life expectancy)	
11		Care and reporting system and its relationship with epidemiology,	
12		Sources of information in epidemiology (census, hospital data, health surveys)	
13		Epidemiology of infectious and non-communicable diseases	
14		Epidemiology of Infectious Diseases 2 (Infection Chain and Infectious Disease Control)	
15		Measures of association	
16		Epidemiology of some common diseases in Iran	
17		Epidemiology of some common diseases in Iran	

Reference: Epidemiology, Gordis, translated by Dr. Hassan Sabbaghian, Dr. Kourosh Holagui, Principles of Mazner Epidemiology, translated by Dr. Hossein Malek Afzali, University Publishing Center

Auxiliary resources: Journal of Preventive and Social Medicine, Park, translated by Dr. Khosrow Rafaei Shirpak,, Culture of Epidemiology, List, translated by Dr. Mohsen Janghorbani, Methodology of Applied Research in Medical Sciences, Authors, Dr. Hossein Malek Afzali, University of Tehran