

Course Syllabus

Semester : First	Academic Year:2022-2023
Level: Basic Sciences	Major: Medical Students
Course Title: Principles of Epidemiology	Department :Community & Preventive Medicine
Course Code: 1364029	Professor: Dr. Ziba Farajzadegan
Class NO:	Credit Hours: Sunday 8-10
Prerequisite: Non	Credit Units: 2 Theory
Availability of Professor: Tuesday 8-10	Tel:09133291266
Office Address: Dept. Community & Preventive Medicine, School of Medicine , No3 Building, First floor	E-mail: farajzadegan@med.mui.ac.ir
Name of Student Representative and Cellphone Number:	Number of Students :....

The General Purpose of the course:

- To Understand the application of epidemiology in clinical and public health setting

COURSE DESCRIPTION:

Epidemiology is the study of the distribution and determinants of health and disease in different human populations and the application of methods to improve disease outcomes. As such, epidemiology is the basic science of public health. This course is designed to introduce students in all fields of public health to the background, basic principles and methods of public health epidemiology.

Topics covered in this course include basic principles of epidemiology; measures of disease frequency; epidemiologic study designs: experimental and observational; outbreak investigations

Learning Outcomes (Objectives):

- Apply the basic terminology and definitions of epidemiology.
- Understand the different types of Prevention
- Describe a public health problem in terms of person, place, and time.
- Calculate basic epidemiology measures.
- Evaluate the strengths and limitations of epidemiologic studies
- Draw appropriate inferences from epidemiologic data.
- Identify the principles and limitations of public health screening programs.
- Explain the importance of epidemiology for informing scientific, clinical, ethical, economic and political discussion of health issues.

Assessment Methods:

Summative & Formative assessment

(The Assessment Methods that will be Used to Test Students Learning outcomes & the Skills & Competencies Stated in learning Outcomes)

Assessment	Score From 20
Final Exam	20

Main References (Text Books):

Title: Epidemiology
Author: Leon Gordis
Edition: 6th Edition
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References for More Reading:

-Jekel's Epidemiology, Biostatistics, Preventive Medicine, and Public Health

2020

Student's Responsibilities:

Students should read each chapter before lecture; the textbook provides the foundation for the course.

Lectures provide additional information, clarity, and examples to enhance the book.

Lectures will be given by Prof Ziba farajzadegan

Discussion sections will provide information about the lectures and chapters. Attendance will discuss about the assignments that will offer in the class. Students learn from each, participation in the discussion sections is strongly encouraged.

Attendance Rules:

It Is Expected That Students Attending Class Will Present On Time. Students Are Expected To Contribute To The Discussion Of Homework Assignments if it is provided by teacher. As A Learning Tool.

Each Class Period May Have Several Readings.

- If We Upload Assignments After Giving Lecture Will Consider A Limited Time To Give Back Answer, --Response Will Not Accept Out Of The Defined Time.
- We Will Check Your Presence Each Session.
- Students Will Work Individually On Assignments..
- All Assignment Should Be Typed.

Department's Attitudes:

Isfahan University of Medical Sciences is a community of scholars. In this community, all members including faculty, staff and students alike are responsible for maintaining standards of academic honesty. As a student and member of the University community, you are here to get an education and are, therefore, expected to demonstrate integrity in your academic endeavors. You are evaluated on your own merits. Cheating, plagiarism, collaborative work, multiple submissions without the permission of the professor, or other kinds of academic dishonesty are considered unacceptable behavior and will result in formal disciplinary proceedings usually resulting in suspension or dismissal.

Final Exam Date : announce later

NO of Session	Main Topic	Teacher's Name	Place & Time	Date
1	Introduction to Epidemiology	Farajzadegan		Sep.11
2	Epidemiology & prevention	Farajzadegan		Sep.18
3	Dynamics of Disease Transmission	Farajzadegan		Sep.25
4	Investigating an Outbreak	Farajzadegan		Oct .2
5	Measuring Occurrence of Disease: Morbidity	Farajzadegan		
6	Measuring Occurrence of Disease: Mortality	Farajzadegan		Oct .9
7	Standardization of rates	Farajzadegan		Oct .16
8	Natural History and prognosis	Farajzadegan		Oct .23
9	Measures of Public Health Impact	Farajzadegan		Oct.30

10	Surveillance	Farajzadegan		Nov.6
11	Descriptive Epidemiology	Farajzadegan		Nov.13
12	Analytic Epidemiology (Case- control)	Farajzadegan		Nov.20
13	Analytic Epidemiology (Cohort)	Farajzadegan		Nov.27
14	Analytic Epidemiology (Clinical Trial)	Farajzadegan		Dec.4
15	Risk Estimation	Farajzadegan		Dec.11
16	Validity and Reliability of Tests/ Screening And it's principles	Farajzadegan		Dec.18
17	Causality	Farajzadegan		Dec.25