



TEERTHANKERMAHAVEER UNIVERSITY

COLLEGE OF PARAMEDICAL SCIENCES

Introducing

BASICS OF EPIDEMIOLOGY **(Certificate Course)**

SESSION- 2022-23

About the Course

Epidemiology is the study of health issues at the population level which can provide information not available at the individual level. The ultimate goal of epidemiology is to improve health lower the risk of death and increase the quality of life by refining preventive measures and treatments of diseases. It provides a basis for policy making and allocation of resources, by discovering patterns and trends in health problems by predicting the number of cases of a disease and its distribution in the population. It helps with diagnosis, prognosis, and selection of treatment, by Explaining the etiology of disease.

PATRON- Prof. Navneet Kumar, Vice Principal College of Paramedical Sciences

COURSE COORDINATOR - Mr. Arvind Kumar, Faculty of Medical Laboratory Techniques
E-mail-arvindk.paramedical@tmu.ac.in

COURSE FACULTY- Miss Prachi Singh
Mr. Sagar Debnath

REGISTRATION LINK- <https://forms.gle/AKczDBuuKJye4GsN7>

STARTING DATE OF REGISTRATION- 16th AUGUST 2022

LAST DATE OF REGISTRATION- 10th SEPTEMBER 2022

VENUE- Nursing Building 4th Floor,
College of Paramedical Sciences,
Room No. 507

DAY & TIME- SATURDAY 02:00PM TO 03:00PM

Participants: *Students from below mentioned colleges / department can enroll in this course-*

- *College of Nursing*
- *Department of Physiotherapy*
- *College of Pharmacy*
- *Department of Physical Education*
- *Faculty of Education*

CERTIFICATION CRITERIA-

- 75% attendance is compulsory
- No fee will be charged from students
- Duration of the course is sixteen hours (16 hrs)

After completion of the course, student will receive a certificate by College of Paramedical Sciences, Teerthanker Mahaveer University

Course Code: PVAC-III	Course Name: BASICS OF EPIDEMIOLOGY Total Duration: 16 Hours Resource Person: Prof. Navneet Kumar	
CO 1	Understanding the concept history of Epidemiology.	
CO 2	Understanding the concept, transmission of disease occurrence.	
CO 3	Understanding the Epidemiology study design & data analysis.	
Unit-1:	Introduction to Epidemiology Historical Evolution of Epidemiology Uses	2 Hours
Unit-2:	Core Epidemiologic Functions History Evaluation Approach Descriptive Epidemiology	4 Hours
Unit-3:	Analytical Epidemiology Concepts of Disease Occurrence Natural History and Spectrum of Disease	4 Hours
Unit-4:	Infection agents (pathogens) Mode of transmission of infection Chain of Infection Epidemic Disease Occurrence	3 Hours
Unit-5	Epidemiological Study design Data Analysis	3 Hours
Textbooks	1. Centers for disease Control and Prevention, Hepatitis A outbreak associated with green onions at a restaurant- Monaca, Pennsylvania, 2003. MMWR 2003; 52 (47): 1155-7.	
References	1. Cobb S, Miller M, Wald N. On the estimation of the incubation period in malignant disease, J Chron Dis 1959;9:385-93. Last JM, editor. Dictionary of epidemiology, 4 th ed. New York: Oxford University Press; 2001, p. 61 2. Cates W. Epidemiology: Applying principles to clinical practice. Contemp Ob/Gyn 1982; 20:147-61 3. Greenwood M. Epidemics and crowd- disease: an introduction to the study of epidemiology, Oxford University Press; 1935.	