

TEERTHANKER MAHAVEER UNIVERSITY



COLLEGE OF PARAMEDICAL SCIENCES
Introducing

BASICS OF EPIDEMIOLOGY
(Certificate Course)

2018-19



Course Code: PVAC-III	Course Name: BASICS OF EPIDEMIOLOGY Total Duration: 16 Hours Resource Person: Prof. Navneet Kumar (Vice Principal)	
CO1	Understanding the concept, history of Epidemiology	
CO2	Understanding the concept, transmission of disease occurrence	
CO3	Understanding the Epidemiological Study design & data analysis	
Unit-1:	Introduction to Epidemiology Historical Evolution of Epidemiology Uses	2hrs
Unit-2:	Core Epidemiologic Functions The Epidemiologic Approach Descriptive Epidemiology	4hrs
Unit-3:	Analytic Epidemiology Concepts of Disease Occurrence Natural History and Spectrum of Disease	4hrs
Unit-4:	Infectious agent (pathogen) Mode of transmission of infection Chain of Infection Epidemic Disease Occurrence	3hrs
Unit-5:	Epidemiological Study design Data Analysis	3hrs
References	- 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. - 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. 4th ed. New York: Oxford University Press; 2001. p. 61. - Cates W. Epidemiology: Applying principles to clinical practice. Contemp Ob/Gyn 1982;20:147–61. - Greenwood M. Epidemics and crowd-diseases: an introduction to the study of epidemiology, Oxford University Press; 1935.	

