

Teaching Plan

Semester I

ADPH -SI-04 Epidemiology 100/4

Course evaluation:

Part-I Internal assessment:

(Internal Assessment (25 marks) including: 1 Assignment (15 marks), 1 Test (10 marks)

Course objectives:

1. To learn the leading health problems including their causes, methods and strategies for prevention.
2. To learn the significance of interdisciplinary and systems approach to public health.
3. To learn the concepts and practice of alternative medical care service delivery system.
4. To learn role of media in healthcare and components of health communication.

S.No	UNIT	TOPIC	WEEK	READING
I	Introduction to Epidemiology	Epidemiology: concept, definition, components. Measures of casual associations, disease frequency.	1 st Week of September	Krieger Nancy(2013) Epidemiology and The People's Health: Theory and Context,Oxford University Press

		Epidemiological study designs-ecological, cross sectional, case control, cohort and clinical trials. Uses of Epidemiology	2nd Week of September	Park,K.(2017) Park's Textbook of Preventive and Social Medicine. Bhanot Publishers: Bhopal
II	Epidemiology of communicable and Vector Borne diseases	Epidemiology & control of communicable diseases: Focusing on patterns of transmissions, risk factors, preventions and control of HIV /AIDS, STD, Leprosy	3rd Week of September	Bonita, R., Beaglehole, R. & Kjellstrom,T. (2007). Basic epidemiology (2 nd ed.). Geneva: World Health Organization
		Epidemiology and control of Vector borne diseases: Malaria, Filarial, Plague, Yellow fever, Chikungunya, Japanese Encephalitis	4th Week of September	PV Sathe and AP Sathe(1991) Epidemiology and management for health-care for all.,Popular: Bombay
		Epidemiology and control of vaccine preventable diseases I: Diphtheria ,Whooping Cough, Tetanus, Poliomyelitis Worm Infestation, cholera and typhoid.	5th Week of September	Clark DW, MacMahon B (eds).(2012) Preventive and Community Medicine, 2nd edit. Little Brown, Boston
III	Epidemiology & control of Non Communicable Diseases	Epidemiology and control of Common Infections: Tuberculosis, leprosy, pneumonia, measles, mumps , rubella	1st Week of November	Cohen,Jonathan,Powderly,William G and Opal Steven M.(2016),Infectious Disease,Elsevier Publication

		Epidemiology, Prevention and Control of - Asthma , Cancer	2nd Week of November	Friis, R.S. and Sellers,T.A.(2014) Epidemiology for Public Health Practice. Jones and Barlett Publishers: Burlington
		Epidemiology, Prevention and Control of Cardiovascular diseases, rheumatic diseases, Diabetes , Hypertension	3rd Week of November	Wallace,R.B, et al (1998) Maxcy-Rosenau-Last Public Health and Preventive Medicine. McGraw Hill: Michigan
		Substance Abuse, Health aspects of Disaster management-Definition, types and management	4th Week of November	1.Reid,Tanya(2016) Substance Abuse :Influences,Treatment Options and Health Effects,Nova Science Publishers 2.Clements, Bruce W. And Casani,Julie Ann(2009) Disaster and Public Health Planning and Response Second Edition