

Academic Calendar Report

Mr. Mushtaque Ali Talpur (Lecturer)

Course:	Epidemiology	Program:	BSN (Generic)
Batch:	2022-23	Semester/Year:	3rd Year - 6th Semester

S.No.	Date	Week	Teacher	Description
1	21/02/2026	Week 1	Mr. Mushtaque Ali Talpur	Introduction of Epidemiology Define epidemiology from historical context Demonstrate three examples of "classic" modern epidemiology studies. Describe descriptive and analytic epidemiology. Identify advantages of epidemiology in public health. Recognize achievements in epidemiology Explain the scope of Epidemiology
2	28/02/2026	Week 2	Mr. Mushtaque Ali Talpur	Concept of Health & Disease At the completion of this unit learners will be able to: Define the terms of Health, Disease, Wellbeing. Describe the concept of causation. Understand the Health indicator. Differentiate the enabling, risk factors and causes
3	03/03/2026	Week 3	Mr. Mushtaque Ali Talpur	Natural History of Disease Pakistan Nursing Council Page 52 Post RN Curriculum Identify Significance of natural history of disease Define the term ??Host,? ??Agent? ??Environment? Identify the concept of epidemiology and diseases with the help of epidemiological Triad. Identify Epidemiological approach in community setting.
4	06/03/2026	Week 3	Mr. Mushtaque Ali Talpur	Concept of Prevention Discuss the level of prevention Define Primary level of prevention Discuss Secondary and Tertiary level of prevention Difference between prevention, promotion and cure
5	07/03/2026	Week 3	Mr. Mushtaque Ali Talpur	Basic Measurement of epidemiology Explain the concept of ??Population at risk? Mortality (infant, neonatal, perinatal, maternal),? Morbidity,? ?? Crude Birth Rate,? Crude Death Rate,? Life Expectancy and? ??General Fertility Rate.? Discuss the Rate, Ratio, Proportion, Incidence, and Prevalence Describe different types of incidence and prevalence Describe different rates (crude, specific and adjusted) Identify the Maternal and Infant rates in the specific community
6	14/03/2026	Week 4	Mr. Mushtaque Ali Talpur	Define Population changes and population pyramid Illustrate Factors affecting population change (dependency ratio, sex ratio) Discuss Changes in life expectancy and changes in age / sex distribution Discuss Changes in major causes of death Changes in age / sex distribution
7	02/04/2026	Week 5	Mr. Mushtaque Ali Talpur	Epidemiological MethodsDiscuss the Descriptive in term of Time, place and Person.
8	10/04/2026	Week 6	Mr. Mushtaque Ali Talpur	Define the term surveillance Discuss the principles of surveillance and notification of communicable diseases. Describe different types of surveillance and notification of communicable diseases. Identify nurses? role in surveillance and control of communicable diseases. Identify the WHO step wise approach of surveillance of non-communicable

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				diseases Discuss the practical application of surveillance in Pakistan (DEWS)
9	16/04/2026	Week 7	Mr. Mushtaque Ali Talpur	Screening Define the concept of screening Discuss the importance of screening Explain the Types of screening. Identify the criteria of screening
10	22/04/2026	Week 8	Mr. Mushtaque Ali Talpur	Data management and presentation Define the term data Discuss the types of data and various methods of data collection.
11	27/04/2026	Week 9	Mr. Mushtaque Ali Talpur	Discuss the different means and interpretation of data presentation through: Graphs (pie, bar, line, histogram)? Tables, Charts. (spot map)
12	28/04/2026	Week 10	Mr. Mushtaque Ali Talpur	Discuss the different types of epidemiological study designs (observational and experimental) Differentiate descriptive from analytic, and observational from intervention studies. Define the terms study base and study population.