

Course Specification Student Version

Course Title:	Epidemiology for Health Care Professionals
Course Code:	NURS 323
Department:	Basic Medical Sciences
Program:	Bachelor of General Nursing
College:	Vision College in Riyadh
Institution:	Vision College in Riyadh
Revised:	July 2025

A. Course Identification

1. Credit hours: 3 (3+0+0)
2. Level/year at which this course is offered: Level 6/Year 3
3. Pre-requisites for this course (if any): BIOS 101
4. Co-requisites for this course (if any): None

B. Teaching Methods

1	Lecture
2	Seminar

C. Course Description and Objectives

1. Course Description

The course deals with studying major infectious and chronic diseases in Saudi Arabia, factors associated with their occurrence, case studies, census, incidence, mortality, and morbidity. Other topics included in the course are basic statistical concepts of data, representation, probability distribution, and analysis of statistical evidence of factors in the occurrence of these diseases with emphasis on their prevention and control.

2. Course Main Objective

The Epidemiology for Healthcare Professionals course is intended to provide undergraduate nursing students with the basic knowledge of different types of epidemiological studies and the statistical tools to be applied for the epidemiological purpose of prevention and control of various diseases.

3. Course Objectives

By the end of this course, students should be able to:

- Discuss concept of caring toward patients, families, communities, and population.
- Comprehend basic knowledge from social sciences to build an understanding of human experience and nursing practice.
- Implement creative thinking techniques to solve problems in practice.
- Participate in provision health promotion and diseases prevention activities in various settings.
- Prioritize safe effective, and efficient community-focused plans according to the available resources.
- Demonstrates commitment to the nursing profession, colleagues and their own actions.

D. Course Content

No	List of Topics
1	Epidemiologic orientation to health and disease
2	Multiple causation of disease/ Classification of disease
3	Measurement of morbidity and mortality
4	Sources of data in epidemiology
5	Mortality frequency rates
6	Epidemiologic studies
7	Epidemiology and prevention of non-communicable diseases
8	Scope of prevention, Levels of prevention
9	High-risk individual strategy
10	Secondary prevention, Tertiary prevention

E. Assessment Tools

#	Assessment task	Percentage of Total Assessment Score
1	Seminar Evaluation Using Rubrics	10%
2	Assignment Evaluation Using Rubrics	10%
3	Quizzes	10%
4	Midterm Exam	30%
5	Final Written Exam	40%
	Total	100%

F. Learning Resources

Essential References	Principles of Epidemiology for Advanced Nursing Practice: A population Health perspective, 1 st ed (2021).
Supportive References	Park's Textbook of Preventive and Social Medicine [25 ed.]
Electronic Materials	1.CDC (Centers for Disease Control and Prevention): www.CDC.gov 2. WHO (World Health Organization): www.WHO.int
Other Learning Materials	None

