

Course Description 2025-2026

1.Course Name:
Epidemiology
2.Course Code:
Course Description 2025-2026
3.Semester / Year:
Fourth Stage/Second Semester
4.Description Preparation Date:
30/1/2026
5.Available Attendance Forms:
In-person lectures (attendance forms)
6.Number of Credit Hours (Total) / Number of Units (Total)
(2) hours Weekly Of (15) weeks. Theory (30) hrs.
7.Course administrator's name (mention all, if more than one name)
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8. Course Objectives

- Understand the basic concepts and theories of epidemiology.
- Explain the natural history of diseases and the different types of diseases and their methods of transmission.
- Describe the methods of preventing diseases and their occurrence or transmission.
- Discuss the concepts of epidemiological surveillance and the incubation period for diseases.
- Differentiate between the epidemiology of communicable and non-communicable diseases.
- Explain the various measurement tools used in epidemiology.
- Understand the principles of risk studies and the different methods of epidemiological studies.
- Develop skills in designing epidemiological studies and applying statistical methods for data analysis.
- Acquire data analysis skills to make informed decisions and develop health policies.
- Apply epidemiological principles and methods to nursing and public health practice.

1. Teaching and Learning Strategies

Strategy	- Theoretical lectures. - Discussions. - Reports. - Seminars.
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2. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
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1	2T	<input type="checkbox"/> Define the basic concepts and principle of epidemiology. <input type="checkbox"/> Understand the importance of epidemiology in the field of nursing and public health.	Introduction to Epidemiology	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
2	2T	Explain the various theories and models in epidemiology.	Epidemiology Theories	- Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
3	2T	Describe the natural history and progression of diseases.	Natural History of Diseases	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
4	2T	Differentiate between the types of diseases and their methods of transmission.	Types of Diseases and Transmission	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
5	Mid-term exam. No 1				
6	2T	Identify the methods for preventing diseases and their occurrence or transmission.	Disease Prevention and Control	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
7	2T	Understand the concepts and importance of epidemiological surveillance.	Epidemiological Surveillance	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
8	2T	Explain the concept of incubation period for diseases.	Incubation Period	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
9	2T	Discuss the epidemiology of communicable diseases.	Epidemiology of Communicable Diseases	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
10	Mid-term exam. No 2				
11	2T	Discuss the epidemiology of non-communicable diseases.	Epidemiology of Non-Communicable Diseases	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
12	2T	Identify the various measurement tools and techniques used in epidemiology.	Measurement Tools in Epidemiology	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
13	2T	Understand the principles and applications of risk studies in epidemiology.	Risk Studies	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
14	2T	Definition the concept of global health Identify major international health organisations	Global health and modern epidemics	-Lectures. - seminars.	Quizzes, students' participation in the lecture, evaluation.
3. Course Evaluation					
Evaluation					Score standard

Formative		Summative		-Excellent (90-100) -Very Good (80-less than 90) -Good (70-less than 80) -Fair (60-less than 70) -Acceptable (50-less than 60) -Fail (less than 50)
Scores	Evaluation methods	Scores	Evaluation methods	
4%	Daily Quizzes	10%	First-Mid-term theoretical exam	
2%	Seminars	10%	Second-midterm exam	
2%	Reports	70%	Final theoretical exam	
2%	Participation			
10%		90%		

4. Learning and Teaching Resources

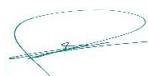
Required textbooks	<p>"Epidemiology" by Leon Gordis (6th Edition, 2019), Elsevier, ISBN: 978-0-323-55159-4</p> <p>"Epidemiology for Public Health Practice" by Robert H. Friis and Thomas A. Sellers (5th Edition, 2013), Jones & Bartlett Learning, ISBN: 978-1-4496-3468-3</p> <p>"Principles of Epidemiology in Public Health Practice" by Centers for Disease Control and Prevention (CDC) (3rd Edition, 2012)</p>
Electronic References, Websites	<ul style="list-style-type: none"> • World Health Organization (WHO) Epidemiology website: https://www.who.int/topics/epidemiology/en/ May 23, 2023 • Centers for Disease Control and Prevention (CDC) Epidemiology and Prevention website: https://www.cdc.gov/epidemiology/index.html May 23, 2023 • Epidemiology and Health Informatics (EHI) Journal: https://www.ejhi.net/ May 23, 2023 • Journal of Epidemiology and Community Health (JECH): https://jech.bmjjournals.org/

End of program student learning outcomes (EPSLO)	Course Learning outcomes	the Link to EPSLO
Knowledge EPSLO-1: Demonstrate the highest level of understanding and awareness of the scientific related to the nursing profession	• Understand the basic concepts and theories of epidemiology.	EPSLO-1:
EPSLO-2: Engage in lifelong learning and self-development to continuously improve nursing practice.	• Explain the natural history of diseases and the different types of diseases and their methods of transmission.	EPSLO-5: EPSLO-6:
EPSLO-3: Integrate pathophysiological and psychosocial knowledge to design advanced, individualized	• Describe the methods of preventing diseases and their occurrence or transmission.	EPSLO-3: EPSLO-7:
	• Discuss the concepts of epidemiological surveillance and the incubation period for diseases.	EPSLO-3: EPSLO-4:
	• Differentiate between the epidemiology of communicable and non-communicable diseases.	EPSLO-3: EPSLO-7:

<p>care plans for patients with complex and multi-system health needs.”</p> <p>EPSLO-4 Utilize evidence-based research and advanced clinical judgment to improve patient care strategies and achieve the best clinical and psychosocial outcomes for individuals with complex health conditions.</p> <p>Values</p> <p>EPSLO-8: Demonstrate respect for patient diversity, cultural values, and individual beliefs when providing nursing care.</p> <p>EPSLO-9: Exhibit a professional attitude of integrity, accountability, and empathy by embracing holistic, patient-centred care.</p> <p>EPSLO-10: Demonstrate effective communication and collaboration skills in the role of the nurse when interacting with patient and members of the interdisciplinary and inter-professional healthcare team.</p>	<ul style="list-style-type: none"> Explain the various measurement tools used in epidemiology. 	
	<ul style="list-style-type: none"> Understand the principles of risk studies and the different methods of epidemiological studies. 	EPSLO-4: EPSLO-10:
	<ul style="list-style-type: none"> Develop skills in designing epidemiological studies and applying statistical methods for data analysis. 	EPSLO-3: EPSLO-8:
	<ul style="list-style-type: none"> Develop skills in designing epidemiological studies and applying statistical methods for data analysis. 	EPSLO-3: EPSLO-7:
	<ul style="list-style-type: none"> Acquire data analysis skills to make informed decisions and develop health policies. 	EPSLO-5: EPSLO-6:
	<ul style="list-style-type: none"> Apply epidemiological principles and methods to nursing and public health practice 	EPSLO-3: EPSLO-9:

Dr.AliObaidi

مدرس المادة



أ. د. مرتضى غانم عدّا

رئيس الفرع

م.د علي عون جبر

