

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					
		<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">- Theoretical lectures.- Discussions.- Reports.- Seminars.			
2. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1	2T	<input type="checkbox"/> Define the basic concepts and principles 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	Define the concept of global health Identify major international health organizations	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.bmj.com/

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 EPSLO-2: Engage in lifelong learning and self-development to continuously improve nursing practice. EPSLO-3: Integrate pathophysiological and psychosocial knowledge to design advanced, individualized	<ul style="list-style-type: none"> Understand the basic concepts and theories of epidemiology. 	EPSLO-1:
	<ul style="list-style-type: none"> Explain the natural history of diseases and the different types of diseases and their methods of transmission. 	EPSLO-5: EPSLO-6:
	<ul style="list-style-type: none"> Describe the methods of preventing diseases and their occurrence or transmission. 	EPSLO-3: EPSLO-7:
	<ul style="list-style-type: none"> Discuss the concepts of epidemiological surveillance and the incubation period for diseases. 	EPSLO-3: EPSLO-4:
	<ul style="list-style-type: none"> 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><u>Values</u></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. Ali Obaidi

فرع تمريض
صحة المجتمع



رئيس الفرع
م. د. علي عون جبر

مدرس المادة

(Signature)

أ. د. مرتضى غانم عداي