

University of Baghdad

College of Nursing

BSN. Program

Course Syllabus

Community Health Nursing

Epidemiology

2022/2023

1st Semester

This syllabus is subject to change. Changes will be announced to students.

It is the responsibility of the student to comply with any changes.

Created: February 25, 2023 by Prof. Hala S. Abdulwahid, PhD

Course Description: Epidemiology: This course is describing the outlines of epidemiology through presentation of the main concepts and principles in epidemiology.

General Information & Policies

Course Number and Title:

Number of Credit Hours: (2) **Credit hours:** 2credits/ **One Semester:** Theory 2 Hours (2) credits..

Times &Places:

Day/week	Curriculum	Time	Lecturers	Place
Wensday	Epidemiology\ theory	8:30-10:30	Prof.Hala S. Abdulwahif Lucturer. Aysen K. Mohamed Noory	Hall No.4 in Nursing College/University of Baghdad

Course Calendar:

(2) Hours Theory/ week for (15) weeks.. Total: 30 Hours

Prerequisites: None

Lecturers: Prof. Hala S. aBDULWAHID, PhD
Lucturer Aysen K. Mohamed , PhD

Course Description:

The course is designed to be a synthesis of public health with the goal of promoting health and preventing disease among the community in terms of monitoring and detecting the health-related events. This is accomplished using the natural history of health condition, application of epidemiological triangle and epidemiological studies for the purpose of designing and evaluating control strategies and provision of health care services.

Teaching Methods:

- 1.The use of data show for lucture presentation
2. The use of immediate discussion.
3. The use of daily, monthly and seasonal examinations

Teaching media:

1. Hand out, Data show,
2. Slides on power points

Evaluation Methods:Unit exam(s), group discussion, project about a health problem and presentation of the problem through a simina rand written reports.

Faculty, Contact Information, and Office Hours:

Professor Dr. Hala Saadi Abdulwahid

Lucturer. Dr.Aysen Kamal Mohamed Noory

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Office hours ► 2 Hours Weekly for epidemiology, and other hours according to the weekly scheduled.

Required Textbook(s) and Other Materials:

- 1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.
- 2- Clark, M.: Nursing in the Community :Dimensions of the Community Health Nursing,3ed ed.USA: Appleton Lange Co. 1999.

Academic Dishonesty: Academic honesty is required in all aspects of a student's relationship with the university. Students are advised that cheating and plagiarism are not tolerated. If that happens, the student shall earn zero and be under the legal circumstances.

Course Objectives

Upon completion of the course, the student will be able to:

1. Define epidemiology and related concepts.
2. Apply the epidemiological model and use the natural history of health conditions for the community health benefits.
3. Identify the epidemiological studies for the purpose of designing and evaluating control strategies and provision of health care services.
5. Identify types of diseases, their causes, chain of infection, strategies of identification and control
6. Identify the ethical and professional guidelines in epidemiology.
7. Types of epidemiology; epidemiology of Communicable and non-communicable diseases, environmental epidemiology, occupational epidemiology, nutritional epidemiology, epidemiology of accidents and injuries.
8. Identify types of epidemiological measurements.
9. Identify types of epidemiological statistics.

Course Requirements

To complete the course successfully, the student must:

1. Adhere to the policies stated in this syllabus and printed in the *College of Nursing Student Handbook*.
2. Complete and submit assignments by the due date and time. Failure to do so without prior permission will result in a **loss of 10%** of the points from the total grade.
4. Earn a grade of **50% or higher**. The aforementioned grade in NURS courses **is the minimum passing grade at the graduate level**.
5. Attend classes! Based on *The Student Guideline*, the student shall be marked “failure” if (s)he absents 10% of the total hours.
6. If a student does plagiarism (even in ONE paragraph or sentence), (s)he will be penalized based on the rules of academic dishonesty.

Evaluation & Grading

Distribution of Points:

Theory weightage	
10%	First Mid Term Exam
10 %	Second Mid Term Exam
10%	Project
30%	Total

Course Schedule and activities

*All the above objectives are based on specific criteria that are explained in the grading rubrics.

Content:

Date of Class	Unit to be Covered and/or Activity	Assigned Readings to be Completed Before Class	Course Learning Outcomes
Week 1	Part I: 1.1. Introduction to epidemiology (History and Development) 1.2. Definitions of epidemiology 1.3. Purpose of epidemiology 1.4. Uses of epidemiology 1.4. Risk, risk factors, relative risk and Causality 1.5. Epidemiological Triangle	1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO. 2- Clark, M.: Nursing in the Community :Dimensions of the Community Health Nursing,3ed ed.USA: Appleton Lange Co. 1999.	2 & 1

<p>Week 2</p>	<p>Part 2: Natural History of Health-related Conditions and Prevention</p> <p>2.1. Stages of the Natural history of Health Conditions.</p> <p>2.2. Levels of Diseases Prevention.</p>	<p>2- Clark, M.: Nursing in the Community :Dimensions of the Community Health Nursing,3ed ed.USA: Appleton Lange Co. 1999.</p>	<p>2 & 3</p>
<p>Week 3</p>	<p>Part 3:Epidemiology of Diseases</p> <p>3.1. Epidemiology of Communicable Diseases</p> <p>3.2. Viral Hemorrhagic Fevers</p> <p>3.3. Anthrax</p>	<p>1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.</p> <p>2- Clark, M.: Nursing in the Community :Dimensions of the Community Health Nursing,3ed ed.USA: Appleton Lange Co. 1999.</p>	<p>5</p>
<p>Week 4</p>	<p>Part 4:Epidemiology of Diseases</p> <p>4.1. Epidemiology of Non-Communicable Disease</p> <p>4.2. Classification of the Epidemiological Diseases</p>	<p>1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.</p>	<p>5</p>

Week 5	Part 5: Strategies for Identifying Diseases 5.1 Screening 5.2. Case-finding 5.3. Surveillanc	1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.	5
Week 6	Part 6: Strategies of Diseases Control 6.1. Control of Communicable Diseases 6.2. Control of Non-communicable Diseases	1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.	5
Week 7	The First Midterm Exam		
Week 8	Part 7:Professional and Ethical Considerations in Epidemiology 7.1.Definitionof Ehics 7.2.Professional and Ethical Guidelines for Epidemiological Research	1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.	6
Week 9	Part 8:Epidemiological Studies 8.1. Experimental Studies 8.2. Non-experimental Studies	1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.	3

<p>Week 10</p>	<p>Part 9: Epidemiology and Statistics</p> <p>9.1. Descriptive Statistics 9.2. Analytical Statistics</p>	<p>1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.</p>	<p>9</p>
<p>Week 11</p>	<p>Part 10: Rates in Epidemiology</p> <p>10.1. Prevalence and Incidence Rate 10.2. Mortality and Morbidity Rate</p>	<p>1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.</p>	<p>8</p>
<p>Week 12</p>	<p>Part 11: Environmental and Occupational Epidemiology</p> <p>11.1. Environment and health 11.2. Exposure and Dose 11.3. Dose-effect Relationship 11.4. Risk Assessment and Risk</p>	<p>1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.</p>	<p>7</p>

Week 13	Part12: Epidemiology of Nutrition Epidemiology of Accidents and Injuries 12.1.Nutritional Epidemiology 12.2.Introduction 12.2.Goal and Objectives 12.3.Components of Nutritional Epidemiology 12.4.World-wide nutritional diseases -12.5.Assessment of Nutritional Status -12.6.Nutritional Assessment 12.7.Control Measures 12.8.Epidemiology of Accidents and Injuries 12.9. Introduction 12.10.Epidemiology of Injuries 12.11.Types of Injuries 12.12.control Measures	1- R. Bonita, R. Beaglehok, and T. Kjellstrom (2006). Basic Epidemiology. Second Edition. WHO.	7
Week 14	Part 13: Projects Presentation	Each student will demonstrate their assignment about the application of natural history and prevention model on a disease	
Week 15	The Second Midterm Exam		

التاريخ	اسم المحاضر	اسم المحاضرة	ت
5/ 10	أ.د. هالة سعدي عبد الواحد	Introduction to epidemiology	
12\10	أ.د. هالة سعدي عبد الواحد	Natural History of Health-related Conditions and Prevention	

Epidemiology of Diseases	أ.د. هالة سعدي عبد الواحد	19\10
Strategies for Identifying Diseases	أ.د. هالة سعدي عبد الواحد	26\10
Strategies of Diseases Control	أ.د. هالة سعدي عبد الواحد	2\11
The First Midterm Exam		9\11
Professional and Ethical Considerations in Epidemiology		16\11
Epidemiological Studies	م.د. ايسن كمال محمد نوري	30\11
Epidemiology and Statistics	م.د. ايسن كمال محمد نوري	7\12
Rates in Epidemiology	م.د. ايسن كمال محمد نوري	14\12
Environmental and Occupational Epidemiology	م.د. ايسن كمال محمد نوري	21\12
Epidemiology of Nutrition , Epidemiology of Accidents and Injuries	م.د. ايسن كمال محمد نوري	28\12
Projects Presentation	أ.د. هالة سعدي عبد الواحد م.د. ايسن كمال محمد نوري	4\1
The Second Midterm Exam		11\1

Due Dates

• The first midterm exam	9\11\2022
• The second midterm exam	11\1\2023
• Project	4/1/2023