

Course Description Form

1. Course Name:	
Advanced Public health (for PhD student)	
2. Course Code:	
3. Semester / Year:	
First semester/ First year	
4. Description Preparation Date:	
09/2024	
5. Available Attendance Forms:	
On campus	
6. Number of Credit Hours (Total) / Number of Units (Total)	
2 Hours /2 Units	
7. Course administrator's name (mention all, if/ more than one name)	
<p>Name: Assist. Prof Dr. Dheyaa Jabbar Kadhim Email: Diaa.kazem@copharm.uobaghdad.edu.iq Nsame: Assist. Prof Dr. Fadya Yaqoob Kadhim Email: fadia.jassem@copharm.uobaghdad.edu.iq Name : Assist. Prof Dr. Ali Azeez Ali Email: ali.baraak@copharm.uobaghdad.edu Name: Assist. Prof Dr. Basma Zuheir Muhammed Naji Email: Basma.naji@copharm.uobaghdad.edu.iq Name: Assist. Prof Dr. Fadia Thamir Ahmed Email: fadia.ahmed@copharm.uobaghdad.edu.iq</p>	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> ➤ Deepen understanding of public health principles and theories ➤ Develop critical thinking and problem-solving skills ➤ Gain knowledge of public health research methods ➤ Develop skills in public health program planning and implementation. ➤ Gain knowledge of public health policy and advocacy. ➤ Gain experience in public health practice
9. Teaching and Learning Strategies	
Strategy	Lectures Seminars

		Pop-up quizzes Brainstorming questions Take-home assignments Writing reports Pre-class reading Pre-class watching of videos				
10. Course Structure						
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method	
1	2	<ul style="list-style-type: none"> ➤ Discussing Key concerns in public health ➤ Defining major public health threats globally and in Iraq ➤ Identifying Concept of the essential public health functions ➤ Summarizing some Iraqi studies about common public health issues 	Introduction: The scope and concerns of public health.	Lecture and Discussions.	Pre-class reading Pre-class watching of videos	
2	2	<ol style="list-style-type: none"> 1. Understanding the importance of measurement, monitoring, and evaluation in public health, 2. Learning about key indicators of population health, 3. Exploring data collection and analysis methods, 4. Understanding the role of surveillance systems, 5. Learning about health evaluation methods, 6. Understanding the challenges and limitations of measuring, monitoring, 	Measuring, Monitoring, and Evaluating the Health of a Population	Lecture and discussions.	Pop-up quiz	

		and evaluating population health.			
3	2	<ul style="list-style-type: none"> ➤ Providing an overview of the theory of screening programs ➤ Knowing the aims of screening programs ➤ Defining overdiagnosis and its sequences ➤ Outlining how to implement and operate a screening program. ➤ Identifying the benefits, challenges and harm of screening. ➤ Highlighting some of the issues and dilemmas policy-makers may encounter when deciding whether to implement, stop or change a screening program. ➤ Discussing the adoption of Health Belief Model for accepting screening behavior 	Population screening and public health	Lecture and discussions.	Quiz and Take-home assignments
4	2	<p>1- Define and explain the concepts of health promotion and disease prevention, including their importance in public health.</p> <p>2- Describe the various approaches and strategies used in health promotion and disease prevention, including their strengths and limitations.</p> <p>3- Develop basic health promotion and disease prevention plans for specific populations or communities.</p>	Introduction to Health Promotion and Disease Prevention	Lecture and discussions.	quiz.

5	2	<ol style="list-style-type: none"> 1. Understanding the basic concepts of infectious disease epidemiology, 2. Learning about the chain of infection, 3. Exploring methods of disease prevention and control, 4. Examining the challenges of emerging and re-emerging infectious diseases:, 5. Understanding the role of public health professionals in infectious disease control, 6. Developing skills in infectious disease investigation and outbreak response 	Principles of infectious disease control	Lecture and. discussions.	quiz.
6	2	<ol style="list-style-type: none"> 1- Describe the scheduled immunizations for children and adults. 2- Describe the national immunization plan in Iraq. 	National immunization plan of Iraq.	Lectures. Simple discussions.	Simple quizzes.
7	2	<ol style="list-style-type: none"> 1-Describe the main hazards related to the use of these materials 2-Illustrate the appropriate methods to control and prevent the negative consequences of their use. 	Prevention and control of public health hazards (Tobacco, alcohol, Public health aspects of illicit psychoactive drug use)	Lectures. Simple discussions.	Simple quizzes.
8	3	<ol style="list-style-type: none"> 1-Describe the main risks and complications related to these conditions. 2-Explain the appropriate methods to control and prevent these conditions. 	Major health problems (Obesity, Physical activity and health, Public mental health and suicide, Sexually transmitted infections, ...)	Lectures. Simple discussions.	Simple quizzes.

9	2	1- Describe the main nutritional disorders such as malnutrition, undernutrition, and specific micronutrient deficiencies. 2-Demonstrate the appropriate methods to prevent and treat these conditions.	Nutritional disorders	Lectures. Simple discussions.	Simple quizzes.
10	2	Dealing with the maternal and child health (MCH) services that are designed to meet the special health needs of women and children. It includes three components: 1- Maternal health. 2-Child health. 3- Family planning.	Family health	Lectures. Simple discussions.	Simple quizzes.
11	3	1. Describe the importance of Environmental health including;(water pollution) with explanation of different transmitted diseases including their nature, clinical features, and epidemiology.. 2. Explain the strategies of disaster management with description of the important policy and risk assessments. 3. Define waste and the associated impact of improper waste management. 4. Describe the associated risks with different hazards such as radiation and air pollution.	Global Environmental health (Water Quality, Ecology of WASH Disease Transmission Zoonotic and Vector Borne Disease, Disaster Preparedness and Response, Environmental Policy and Risk Assessment, Sustainable Communities, The Greening of a University, Waste: Characteristics and Handling, Radiation Health, Ambient Air Quality, Indoor Air Pollution	Lectures. Simple discussions.	Simple quizzes.

12	2	<p>1- Define occupational health.</p> <p>2- Describe potential hazards of employees at work and the prevention measures.</p>	Occupational health, injury Prevention, Noise	Lectures. Simple discussions.	Simple quizzes.
13	2	<p>1-Describe important travel-related vaccine-preventable diseases, including their nature, clinical features, and epidemiology.</p> <p>2-Discuss common travel-related illnesses, including clinical features and appropriate prevention and treatment recommendations.</p>	Travel health	Lectures. Simple discussions.	Simple quizzes.
	2	<p>1-Define and describe the concept of Social Determinants of Health.</p> <p>2-Identify social factors that serve as fundamental causes of disease (e.g. education, income, and socioeconomic status, among others) and understand the ways they impact population health.</p>	Social Determinants of Health (Life Style and Biological/Genetic Determinants of Health)		

11. Course Evaluation

Midterm exam= 20 marks, assignments= 10 marks, Final exam =70 marks

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

SOCIAL SCIENCE PERSPECTIVES ON GLOBAL PUBLIC HEALTH

Edited by Vincent La Placa and Julia Morgan, 2023, Taylor & Francis Group, NY, USA

Main references (sources)	Screening programmes: a short guide. Increase effectiveness, maximize benefits and minimize harm, 6 February 2020 https://www.who.int/europe/publications/i/item/9789289054782
Recommended books and references (scientific journals, reports...)	Park's textbook of PREVENTIVE AND SOCIAL MEDICINE by Dr. K. Park, 2019. Banarsida Bhanot, Pune, India Annual MOH Statistics, 2022
Electronic References, Websites	Electronic books and review articles. https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports https://www.apha.org/topics-and-issues https://www.purdueglobal.edu/blog/psychology/substance-abuse-facts-statistics-infographic/ https://www.who.int/news-room/feature-stories/detail/the-smallpox-eradication-programme---sep-%281966-1980%29 https://www.emro.who.int/polio-eradication/about-eradication/index.html