

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

Course name	Public Health for Radiology Sciences
Course number	AMSR2282
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

#### Course Objectives

- 1 - Analyze the role of public health in disease prevention and health promotion: This objective focuses on examining the crucial role of public health in preventing diseases and promoting health at the individual, community, and population levels. Students will learn about the strategies, interventions, and policies employed by public health professionals to reduce the burden of diseases, promote healthy behaviors, and improve overall well-being.
- 2 - Understand the principles and concepts of public health: The objective of this course is to provide students with a comprehensive understanding of the fundamental principles and concepts that underpin the field of public health. Students will gain knowledge about the determinants of health, population health assessment, health promotion, disease prevention, and the social, environmental, and behavioral factors that influence health.
- 3 - Understand epidemiological principles and research methods: This objective aims to provide students with a solid foundation in epidemiology, including the study of disease distribution, patterns, and determinants. Students will learn to analyze public health data, interpret research findings, and apply epidemiological methods to investigate disease outbreaks and public health emergencies.

#### Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> <li>* ? Describe key features of the structure of various topics of public health</li> <li>* ? Address the public health concepts and the basic processes, approaches, functions, and interventions</li> <li>* ? Understanding of the wider determinants of health and ill-health</li> <li>* ? Explain the fundamental characteristics of disease prevention and health promotion of the population</li> <li>* ? Explain the concept of epidemiology and the different approaches used in the research study</li> <li>* ? Build knowledge about the main risk factors in preventing and controlling Communicable and Non- Communicable Diseases</li> <li>* ? Describe the methods of infection prevention and control and hygiene practices</li> <li>* ? Explain the best methods used in solid waste and hazardous waste management</li> </ul>
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## Course Contents

- 1 - Public health concept, elements of modern public health, public health approach to prevention
- 2 - Determinants and different dimensions of health
- 3 - Demography and demographic characteristics of the Palestinian Population
- 4 - Health indices, indicators and measuring Health
- 5 - Epidemiology, theories of disease causation, outbreak investigation
- 6 - Epidemiological studies
- 7 - Levels of disease prevention and control, screening
- 8 - Communicable Disease
- 9 - Immunization
- 10 - Non-Communicable Disease
- 11 - Infection Prevention and Control
- 12 - Environmental Health
- 13 - Water and health
- 14 - Safe management of wastes from health-care activities

## Teaching and Learning Methods

- 1 - Interactive lectures
- 2 - discussions
- 3 - Audiovisual aids

## Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Assignment		30%
Midterm Exam		30%
Final Exam		40%

## Books and References

Essential books	Schneider, M. J. (2006). Introduction to public health. Toronto, Canada: Jones and Bartlett.  Tulchinsky, T. H., & Varavikova, E. A. (2014). The new public health: an introduction for the 21st century. Academic Press.
Other References (Periodical, web sites, .... etc.)	World Health Organization: WHO. Accessed 30 January 2022. Available: <a href="http://www.who.int/en">http://www.who.int/en</a>