

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Public Health & Epidemiology
Course number	NURS4324
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1	• Understand the methods used to measure health of populations, find causes, and develop programs that work.
2	• Describe the leading global health problems, including their causes and methods for prevention.
3	• Understand the challenges and opportunities for closing the gap between science and practice.
4	• Understand the advantages and limitations of the various types of population-based approaches to improve public health (education, marketing, engineering, policy, and law).
5	• Know the core functions of public health (assessment, policy development, and assurance) and how public health is organized at the local, state, and national level.
6	• Learn about the importance of interdisciplinary approaches to public health.
7	• Prepare students to read and interpret epidemiologic studies in the literature.
8	• Prepare students to begin the design and conduct of their own research.

Intended Learning Outcomes

Knowledge and Understanding	* • Concepts of Public health.
	* • Concepts of health approach.
	* • Concepts of demography and understand health indicators.
	* • Concepts & terms of Epidemiology.
	* • Concepts & terms of disease occurrence
	* • Know the levels of prevention and principles of health.
Intellectual Skills	* • Use methods of Qualitative & Quantitative research skills.
Professional Skills	* • Qualitative research skills.
	* • Quantitative research skills
	* • Health system analysis.
General Skill	* • Communication Skills.
	* • Team work skills.

## Course Contents

- 1 - Introduction to Public Health.
- 2 - Public Health Approach.
- 3 - Demography in Public Health.
- 4 - Health Indicators.
- 5 - Descriptive & Experimental Epidemiology.
- 6 - Concepts of Disease Occurrence.
- 7 - Disease Prevention & Health Promotion.
- 8 - Case-Control and Cohort Studies.
- 9 - Health Education.
- 10 - Investigation of an Outbreak.
- 11 - Environmental Health.
- 12 - Water and Health.
- 13 - Food Hygiene & Food Poisoning.
- 14 - Hospital acquired infections & Nosocomial infections.
- 15 - Waste disposal & Water quality standards.
- 16 - Obesity & Challenges of NCDs in Palestine.

## Teaching and Learning Methods

- 1 - Group discussions & Interactive lectures.
- 2 - • Quizzes.
- 3 - Demonstrations and Return Demonstrations.
- 4 - Simulations.
- 5 - • Hands-on Skills Practice and Performance.
- 6 - Computer Assisted Instruction.
- 7 - Critical Thinking Exercises.
- 8 - Multimedia activities.
- 9 - Interactive educational activities.
- 10 - Audio visuals.

## Teaching and Learning Methods for the Disabled Students

- 1 - • Computer Assisted Instruction.

## Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First mid-term exam.	Fourth week	20%
Second mid-term exam.	Eight week	20%
Attendance and discussion.		5%
Homework and project reports		5%
Final exam.	16th week	50%

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## Books and References

Course note	Available at the University's library.
	<ul style="list-style-type: none"><li>• Tulchinsky, Theodore H, and Elena Varavikova. The New Public Health. San Diego:</li><li>• Selinus, O, and B. J Alloway. Essentials Of Medical Geology. Amsterdam: Elsevier</li></ul>
Essential books	<ul style="list-style-type: none"><li>• Mary-Jane Schneider, (2013). Introduction To Public Health. 4 Edition. Jones &amp; Bartlett Learning.</li><li>• Leon Gordis MD MPH DrPH, (2013). Epidemiology: with STUDENT CONSULT Online Access, 5e (Gordis, Epidemiology). 5 Edition. Saunders.</li></ul>
Recommended books	Bernard J. Turnock, (2012). Public Health: What It Is and How It Works. Edition.
Other References (Periodical, web sites, .... etc.)	<ul style="list-style-type: none"><li>• International Public Health <a href="http://www.publichealth.org/">http://www.publichealth.org/</a></li></ul>