



YARMOUK UNIVERSITY
Faculty of Medicine
Department of Basic Medical Sciences
Summer Semester, 2019/2020

Course Syllabus

Course Title: Introduction to public Health	Course code: MED216
Course Level: 3 rd year medical students	Course prerequisite (s) and/or co-requisite (s):
Lecture Time: Sun-Mon-Tues-Wed-Thur: 17:00:00pm – 18:15pm	Credit hours: 3
Course Teaching Language: English	Semester: Summer Academic Year: 2019-2020

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Ali Rawabdeh	Associate Professor	Basic Medical Sciences Department	open	e-learning

Course Description:

This course is designed to provide the 3rd year medical students in the faculty of medicine medication at Yarmouk University with the knowledge to oversee the key of public health concepts, the history of public health, and how the core areas of public health are coordinates to promote wellbeing at the populace level. The medical students will lock in in dynamic learning using individuals and group exercises, discussion, and field experience. It incorporates the moral bases; key terms and ideas; framework organization; and the social, behavioral, natural (environmental), and biological components that contribute to individual and community health outcomes through intelligently learning techniques and the application and integration of concepts to understand and prevent current health issues and those confronting public health in the 21st century.

Course objectives

- Extend knowledge in public health concepts, functions and logic to sensibly communicate them to promote population-based health outcomes;
- Identify key occasions in the history of public health and their impact on the development of today's public health approaches;
- Build a mindful system of organizational structures (counting health policies, controls, ethics and economics matters) of health systems contributes to public health issues in Jordan;
- Encourage a mindfulness of issues and problems in hospital and other health service facilities administration to create an ability to analyze these issues and problems;
- Recognize local and global angles of public health and appreciate the field's breadth;
- Describe how the determinants of health (socioeconomic, behavioral, biological, environmental, etc.) impact human health, influence the global and societal burden of disease, and contribute to health inequity as well as specific individual and community health outcomes.
- Identify and depict major health-related needs and concerns of populations;
- Collect, organize, analyze and interpret information of modern public health, risk management and other related

- considers;
- Expand analytical skills in applying evidence-based public health principles to apply population-based health concepts to a chosen public health topic of choice;
- Critically examine public health interventions for evidence for relevance, application, and evaluation and assessment; and,
- Applying code of ethics and code of conduct to esteem the moral considerations in human and community subject research.

Course Learning Outcomes: Upon completion of this course, student will be able to:

<p>a. Knowledge Skills</p> <p>a-i-1- Procure concepts, functions and logic backed public health</p> <p>a-i-2- Develop awareness on public health challenges locally and in global context</p> <p>a-i-3- Detect key occasions in the history of public health and their impact on the development of today’s public health approaches</p>
<p>(i) Teaching strategies of knowledge Skills</p> <p>a-ii-1- Lectures, tutorials,</p> <p>a-ii-2- Lectures, case studies, and independent studies</p> <p>a-ii-3- Lectures, home assignments and activities, and student presentations</p>
<p>(ii) Methods of assessment of knowledge Skills</p> <p>a-iii-1- Midterm and final examination</p> <p>a-iii-2- Student participation, role plying</p> <p>a-iii-3- Oral examination</p>
<p>b. Cognitive Skills</p> <p>(i) Cognitive skills</p> <p>b-i-1- Build a mindful system of organizational structures (counting health policies, controls, ethics and economics matters) of health systems contributes to public health issues in Jordan;</p> <p>b-i-2- Inspire a mindfulness of issues in hospital and other health service facilities to create an ability to analyze them.</p> <p>b-i-3-Recognize local and global angles of public health and appreciate the field’s breadth;</p> <p>b-i-4- Describe how the determinants of health impact human health, influence the global and societal burden of disease, and contribute to health inequity as well as specific individual and community health outcomes.</p> <p>b-i-5- Aware of decision making and problem-solving processes and innovations in public health.</p> <p>b-i-6- Distinguish the importance of ethical reasoning techniques in public health</p> <p>b-i-7- Recognize communication as a team process and facilitate information flow in intercultural context.</p>
<p>(ii) Teaching strategies of cognitive skills</p> <p>b-ii-1- Tutorials</p> <p>b-ii-2- Workshops</p> <p>b-ii-3- Dialogue and dissections</p> <p>b-ii-4- Case studies, problem solving.</p> <p>b-ii-5- Case studies</p> <p>b-ii-6- Tutorials</p> <p>b-ii-7- Guest speakers</p>
<p>(iii) Methods of assessment of cognitive skills</p> <p>b-iii-1- Written exams</p> <p>b-iii-2- Writing reports</p> <p>b-iii-3- Oral assessment</p> <p>b-iii-4- Projects</p> <p>b-iii-5- Written reports</p> <p>b-iii-6- Written examination</p> <p>b-iii-7- Oral assessment</p>
<p>c. Interpersonal and Responsibility Skills</p>

<p>(i) Interpersonal and Responsibility skills</p> <p>c-i-1- Expand analytical skills in applying evidence-based public health principles and techniques to apply population-based health concepts to a chosen public health topic of choice;</p> <p>c-i-2-Identify and depict major health-related needs and concerns of populations;</p> <p>c-i-3- Apply critical professional skills in identifying clinical quality standards and guideline</p>
<p>(ii)Teaching strategies of interpersonal and responsibility skills</p> <p>c-ii-1- Tutorials and electronic lectures</p> <p>c-ii-2- Field visits</p> <p>c-ii-3- Practice sessions, group discussions</p>
<p>(iii) Methods of assessment of students interpersonal and responsibility skills</p> <p>c-iii-1- Research papers</p> <p>c-iii-2- Written reports</p> <p>c-iii-3- Oral assessment</p>
<p>d. Communication, Information Technology and Numerical Skills</p>
<p>(i) Communication, IT and Numerical Skills.</p> <p>d-i-1- Collect, organize, analyze and interpret information of modern public health, risk management and other related considers;</p> <p>d-i-2-Critically examine public health interventions for evidence for relevance, application, and evaluation and assessment; and,</p> <p>d-i-3- Applying code of ethics and code of conduct to esteem the moral considerations in human and community subject research.</p>
<p>(ii) Teaching strategies to be used to develop communication, IT and numerical skills</p> <p>d-ii-1- Seminars, role playing</p> <p>d-ii-2- Lectures and tutorials</p> <p>d-ii-3- Building systems</p>
<p>(iii) Methods of assessment of students numerical and communication skills</p> <p>d-iii-1- Written papers</p> <p>d-iii-2- Written examination</p> <p>d-iii-3- Written reports</p>
<p>e. Psychomotor Skills (NOT applicable).</p>
<p>(i)Description of the psychomotor skills to be developed and the level of performance required.</p>
<p>(ii) Teaching strategies to be used to develop these skills</p>
<p>(iii) Methods of assessment of student’s psychomotor skills</p>

Course Schedule:

Weeks	Days/Date/time	Topics	Teaching and Learning methods	Contact Hours				Mapping with Objectives						
				Lecture	Tutorial	Practical	Independent works	Program	Department	College	University	Directives		

<u>1</u>	Part-I: Introduction: What Is Public Health? Public Health: Science, Politics and Prevention Why Public Health Controversial?	<ul style="list-style-type: none"> • Interactive lectures • <i>Debates</i> • <i>Workshops</i> • <i>Group discussions</i> 																
<u>2</u>	Powers and Responsibility of Government Part II- Analytical Methods of Public Health Epidemiology: The basic Science of Public Health Case I	<ul style="list-style-type: none"> • Interactive lectures • <i>Home assignments</i> • Tutorial • <i>Term Paper</i> • <i>Guest Speaker</i> 																
<u>3</u>	Epidemiologic Principles and Methods Problems and Limits of Epidemiology (Midterm Exam 1) Statistics: Making Sense of Uncertainty The Role of Data in Public Health	<ul style="list-style-type: none"> • Interactive lectures • <i>Debate</i> • <i>Workshops</i> • <i>Dialogue & discussion</i> • <i>Problem solving</i> 																
<u>4</u>	Part III- Biomedical Basis of Public Health The ‘Conquest’ of Infectious Diseases The Resurgence of Infectious Diseases The Biomedical basis of Chronic Diseases Case II Genetic Diseases and Other Inborn Errors	<ul style="list-style-type: none"> • Interactive lectures • <i>Debate</i> • <i>Workshops</i> • <i>Electronic Examples</i> • <i>Practice sessions</i> 																
<u>5</u>	Midterm Exam II Part IV: Social and Behavioral Factors in Health Do People Chose Their Own Health? How Psychological Factors Affect Health Behavior?	<ul style="list-style-type: none"> • Interactive lectures • Tutorial • <i>Role Playing</i> • <i>Debate</i> • <i>Workshops</i> • Tutorials 																
<u>6</u>	Public Health Enemy Number One: Tobacco Public Health Enemy Number Two and Growing: Poor Diet and Physical Inactivity Injuries are not Accidents Maternal and Child Health as a Social Problems Mental Health: Public Health Includes Healthy Minds	<ul style="list-style-type: none"> • Interactive lectures • Guest speaker • Interactive lectures • Tutorial 																
<u>7</u>	Part V: Environmental Issues in Public Health A Clean Environment: The Basis of Public Health Clean Air: Is It Safe to Breath? Clean Water: A Limited Resource Solid and Hazardous Wastes: What to Do with Garbage? Safe Food and Drugs: An ongoing Regulatory Battel Population: The Ultimate Environmental Health Issue	<ul style="list-style-type: none"> • Interactive lectures • <i>Role Playing</i> • <i>Debate</i> • <i>Workshops</i> 																

8	<p>Part VI: Medical Care and Public Health Is Medical Care System a Public Health Issue? Health Care System Reform Health Services Research: finding What Works Public Health and Aging Population</p> <p>Part VII: The Future of Public Health Emergency Preparedness Public Health in the Twenty First Centaury: Achievements and Challenges</p> <p style="text-align: center;">(Final Exam)</p>	<ul style="list-style-type: none"> • Interactive lectures • <i>Debate</i> 																		
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Assessment Methods and Instruments

- Short reports and/ or presentations, and/ or Short research projects
- Midterm Exams.
- Home works
- Final examination: 40 marks

Assessment Tasks for Students During the Semester									
NO	Assessment task aligned with intended learning outcomes	Week due	Proportion of Assessment	Learning outcomes to be assessed					
				a	b	c	d	e	
1	Mid-term examination I	3 rd week	15%	✓	✓	✓	✓		
2	Mid-term Examination II	6 th week	15%	✓	✓	✓	✓		
3	Research project, case studies, and term papers	7 th week	20%	✓	✓	✓	✓		
4	Student participation and presentation	classes	10%						
5	Final Examination	8 th week	40%						
	Total		100%						

A description of comprehensive and in depth presented scientific material to cover the course:

- Student will be provided by the relevant support resources, i.e. assigned textbook and relevant reference, PPT slides lectures and tutorials, and instructional notes and handouts.
- Two case studies on public health will be distributed and discussed in small groups, and reports will be submitted accordingly.
- Small groups will be directed to visit the fields to undertake lively public health problems
- Students will be directed to links of the stat of art research organizations on public health
- Students peer review: students will be given the opportunity to evaluate the effectiveness of their individual and other groups work.
- An international experience on public health will be brought and discussed for better understanding.
- Examples of countries experiences on public health will be driven from the support references in the following journals and URL links.

E-Learning and IT Tools that will be used in the course

- Course syllabus, course PPT slides, and case studies instructions will be uploaded on the Blackboard for student use
- Student assignment will be received via Blackboard and E-mail therapy

Course references

Books

- Mary-Jane Schneider and Henry S. Schneider, (2017), Introduction to Public Health, Fifth Edition, Jones and Bartlett Learning, LLC: USA
- Raymond L. Goldsteen, Karen Goldsteen, and David G. Graham, (2011), Introduction to Public Health, Springer Publishing Company, LLC, New York: USA. www.springerpub.com
- Raymond L. Goldsteen, Karen Goldsteen, and Terry L. Dwelle, (2015), Introduction to Public Health, Promiss and Practices, 2nd edition, Springer Publishing Company, LLC, New York: USA. www.springerpub.com

Journal

- Journal of Public Health : Oxford Academic : <https://academic.oup.com/jpubhealth>
- Public Health Journal - Elsevier: <https://www.journals.elsevier.com/public-health>
- BMC Public Health Journal : <https://bmcpublichealth.biomedcentral.com/>

Web sites :

<https://www.cdc.gov/publichealth101/public-health.html>
<https://www.who.int/en/>
<https://www.apha.org/>
<https://www.nichq.org/>