

HEALTH 112 Introduction to Public Health

Course Description:

A survey and analysis of current public health problems incorporating an epidemiologic framework. A basic introduction to community health history and organization is followed by specific health issues analyzed through the agent, host, and environmental interrelationships. Primary, secondary and tertiary prevention, and health promotion strategies are detailed.

Total Credits: 3.00

Course Competencies:

- 1. Examine the foundation and organizational structures of public health.**
- 2. Explore methods used to study, prevent and control disease in population.**
- 3. Examine the biomedical basic of public health.**
- 4. Analyze how social and behavioral factors determine health.**
- 5. Correlate the impact of the environment on public health.**
- 6. Integrate medical care with public health.**
- 7. Examine the role of emergency preparedness in public health.**
- 8. Discover the future of public health.**

See next page for checklist to complete.

Credit for Prior Learning (CPL) Competency Checklist for Introduction to Public Health

Please review the following competencies. Mark met or not met for each competency from which you have prior work experience.

Competency	Met	Not Met
1. Examine the foundation and organizational structures of public health. 1.a. Define "public health" 1.b. Describe the difference between personal/individual health and population health 1.c. Identify the core functions of public health and the 10 Essential Services 1.d. Describe primary, secondary and tertiary prevention in population health 1.e. Discuss the controversies that exist in public health 1.f. Compare the relationship between local, state, and federal public health systems		
2. Explore methods used to study, prevent and control disease in population. 2.a. Define epidemiology 2.b. Explain key terms related to epidemiology including: frequency, distribution, determinants 2.c. Define "placebo" and explain why placebos are used 2.d. Explain why randomization is used in intervention studies 2.e. Explain the distinguishing features of a cohort study 2.f. Explain the distinguishing features of a case-control study 2.g. Identify potential strengths and limitation of the intervention, cohort and case-control studies 2.h. Examine ethical considerations in epidemiologic studies 2.i. Explain how statistics help public health deal with inherent uncertainty of data 2.j. Identify the federal statistic used to promote public health		
3. Examine the biomedical basic of public health. 3.a. Describe the infectious disease process (chain of infection) 3.b. Examine factor that cause the spread infectious diseases. 3.c. Identify emerging and reemerging infectious diseases 3.d. Summarize public health measures recommended to control the spread of diseases 3.e. Explain biological factors that affect a population's health 3.f. Investigate research on leading health conditions affecting public health		
4. Analyze how social and behavioral factors determine health. 4.a. Explain behavioral and psychological factor that affect a population's health 4.b. Compare approaches the government has taken to promote healthy behavior 4.c. Discuss the factor of socioeconomic status and the impact on health 4.d. Identify how race and ethnicity are associated with health disparities 4.e. Explain the health belief, self-efficacy, transtheoretical and ecological models of health behavior 4.f. Describe the current prevalence of overweight and obesity 4.g. Describe trends in childhood obesity and its impact upon future health 4.h. Compare and contract physical activity of adults to the public health recommendations		

4.i.	Apply public health principles as they relate to mental, infant, and child health.		
4.j.	Discuss the incidence and prevalence of mental health disorders.		
5.	Correlate the impact of the environment on public health.		
5.a.	Identify the governmental agencies who have a role in environmental health		
5.b.	Relate environmental hazards and their impact on a population's health		
5.c.	Examine the barriers to setting environmental standards		
5.d.	Identify some of the main causes, effects and sources of air pollution		
5.e.	Discuss the importance of indoor air quality		
5.f.	Explain the need for both the Clean Water Act and Safe Drinking Act		
6.	Integrate medical care with public health.		
6.a.	Delineate the basic of financing and delivery of medical care in the U.S.		
6.b.	Discuss the importance of medical care to public health		
6.c.	Examine the role of licensing and regulation in medical care		
6.d.	Identify reasons why access tp medical care is an ongoing concern		
6.e.	Investigate why medical costs continue to rise in the U.S.		
6.f.	Examine approaches to controlling medical costs		
7.	Examine the role of emergency preparedness in public health.		
7.a.	Define the different types of disasters		
7.b.	Describe how disaster/traumatic events influenced the development of emergency protocols.		
7.c.	Explain how the Incident Command System (ICS) and National Incident Management System(NIMS) provide coordination and communication during disasters		
7.d.	Identify the unique challenges of bioterrorism		
7.e.	Examine concern when planning for a pandemic		
8.	Discover the future of public health.		
8.a.	Explore 20th Century public health accomplishments		
8.b.	Identify the challenges that face public health in the future		
8.c.	Articulate the goals of Healthy People 2020		
8.d.	Explain the critical importance of evidence in advancing public health knowledge		