Council on Education in Public Health Competencies, 2016 revision

Evidence-based Approaches to Public Health

1. Apply epidemiological methods to the breadth of settings and situations in public health practice.
2. Select quantitative and qualitative data collection methods appropriate for a given public health context.
3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.
4. Interpret results of data analysis for public health research, policy, or practice.

Public Health & Health Care Systems

5. Compare the organization, structure, and function of health care, public health, and regulatory systems across national and international settings.
6. Discuss the means by which structural bias, social inequalities and racism undermine health and create challenges to achieving health equity at organizational, community, and societal levels.

Planning & Management to Promote Health

7. Assess population needs, assets, and capacities that affect communities' health.
8. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs.
9. Design a population-based policy, program, project, or intervention.
10. Explain basic principles and tools of budget and resource management.
11. Select methods to evaluate public health programs.

Policy in Public Health

12. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence.
13. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcome.
14. Advocate for political, social, or economic policies and programs that will improve health in diverse populations.
15. Evaluate policies for their impact on public health and health equity.

Leadership

16. Apply principles of leadership, governance, and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making.
17. Apply negotiation and mediation skills to address organizational or community challenges.
Communication

18. Select communication strategies for different audiences or sectors.

19. Communicate audience-appropriate public health content, both in writing and through oral presentation.

20. Describe the importance of cultural competence in communicating public health content.

Interprofessional Practice (specified as people outside of public health practice)

21. Perform effectively on interprofessional teams.

Systems Thinking

22. Apply systems thinking tools to a public health issue.

FOUNDATIONAL

Profession and Science of Public Health

1. Explain public health history, philosophy, and values.

2. Identify core functions of public health and the 10 Essential Services.

3. Explain the role of quantitative and qualitative methods and sciences in describing and assessing a population’s health

4. List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program

5. Discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc.

6. Explain the critical importance of evidence in advancing public health knowledge

Factors Related to Human Health

7. Explain effects of environmental factors on a population’s health

8. Explain biological and genetic factors that affect a population’s health

9. Explain behavioral and psychological factors that affect a population’s health

10. Explain the social, political and economic determinants of health and how they contribute to population health and health inequities

11. Explain how globalization affects global burdens of disease

12. Explain an ecological perspective on the connections among human health, animal health and ecosystem health (eg, One Health)
Uniform demonstration table example:

<table>
<thead>
<tr>
<th>Text of competency</th>
<th>How, when content is delivered</th>
<th>How content is evaluated</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. Explain effects of environmental factors on a population’s health</td>
<td>Lectures 1-15</td>
<td>Assignment 1, Midterm Exam, Final Project</td>
</tr>
</tbody>
</table>

Please replace the italicized text with information for your course and add lines as needed.