



**SAN DIEGO STATE  
UNIVERSITY**

## **School of Public Health**

### **Master in Public Health (MPH) CORE FOUNDATIONAL COMPETENCIES**

#### **OVERVIEW**

- Public Health training is focused on both knowledge AND skills (competencies)
- 22 core competencies are covered in required core courses (see table below)
- Additional division specific competencies can be found on respective program pages here: <https://publichealth.sdsu.edu/programs/mph/>
- Applied practice experience (internship) and integrative learning experience (culminating experience) also demonstrate students' achievement of select competencies.
- Deliverables or tangible products for internships are required and should align with the foundational competencies selected. Examples of products include: Surveys (Quantitative or qualitative), GIS Maps, Program evaluation reports, Scientific posters, Policy evaluations, Grant proposals, Health promotion materials, social media or outreach plans, Training course curriculum, Site-specific reports.

#### **22 CORE COMPETENCIES**

For detailed explanation of each competency below see:

[https://media.ceph.org/documents/D2\\_guidance.pdf](https://media.ceph.org/documents/D2_guidance.pdf)

<b>Evidence-based Approaches to Public Health</b>	
<b>COMPETENCY</b>	<b>SDSU PUBLIC HEALTH COURSES</b>
<b>1. Apply epidemiological methods to the breadth of settings and situations in public health practice</b>	<b>PH 601</b>
<b>2. Select quantitative and qualitative data collection methods appropriate for a given public health context</b>	<b>PH601, PH603, PH666</b>

<b>3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate</b>	<b>PH602, PH603, PH607</b>
<b>4. Interpret results of data analysis for public health research, policy or practice</b>	<b>PH601, PH602</b>
<b>Public Health &amp; Health Care Systems</b>	
<b>5. Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings</b>	<b>PH605, PH641</b>
<b>6. Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels</b>	<b>PH603, PH666, PH605, PH641</b>
<b>Planning &amp; Management to Promote Health</b>	
<b>7. Assess population needs, assets and capacities that affect communities' health</b>	<b>PH603, PH605, PH666</b>
<b>8. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs</b>	<b>PH603, PH605</b>
<b>9. Design a population-based policy, program, project or intervention</b>	<b>PH603, PH605</b>
<b>10. Explain basic principles and tools of budget and resource management</b>	<b>PH603, PH605</b>
<b>11. Select methods to evaluate public health programs</b>	<b>PH603, PH666</b>
<b>Policy in Public Health</b>	
<b>12. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence</b>	<b>PH605, PH742B</b>
<b>13. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes</b>	<b>PH605, PH644A, PH604</b>
<b>14. Advocate for political, social or economic policies and programs that will improve health in diverse populations</b>	<b>PH603, PH666</b>

<b>15. Evaluate policies for their impact on public health and health equity</b>	<b>PH605, PH648, PH604</b>
<b>Leadership</b>	
<b>16. Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making</b>	<b>PH605, PH644A</b>
<b>17. Apply negotiation and mediation skills to address organizational or community challenges</b>	<b>PH605, PH644B</b>
<b>Communication</b>	
<b>18. Select communication strategies for different audiences and sectors</b>	<b>PH603, PH663, Interprofessional communication and practice online modules and practical session</b>
<b>19. Communicate audience-appropriate public health content, both in writing and through oral presentation</b>	<b>PH603, PH663, PH605</b>
<b>20. Describe the importance of cultural competence in communicating public health content</b>	<b>PH603, PH663</b>
<b>Interprofessional Practice</b>	
<b>21. Perform effectively on interprofessional teams</b>	<b>requirement as part of PH650R: Interprofessional communication and practice online modules and practical session</b>
<b>Systems Thinking</b>	
<b>22. Apply systems thinking tools to a public health issue</b>	<b>PH605</b>