

Practice Experience Proposal

Louisiana State University Health Science Center
School of Public Health

Complete this form with your Academic Advisor and Practice Site Preceptor one semester prior to registering for PUBH 6800: Practice Experience. Submit the completed and signed form to the practice experience office for approval.

Student Name

Academic Program

Name of Organization/Agency

Mission of Organization/Agency

Preceptor's Name

Job Title

Phone

E-mail

Project Title

Brief Description of the Proposed Project

Start Date

End Date

Student's Work Schedule

Select the box next to the competencies that will be applied during your practice experience. Select at least five competencies, of which at least three must be foundational competencies.

List of Foundational Competencies

Evidence-based Approaches to Public Health

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

Public Health & Health Care Systems

- Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings
- 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

Planning & Management to Promote Health

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

Policy in Public Health

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

Leadership

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

Communication

- Select communication strategies for different audiences and sectors
- Communicate audience-appropriate public health content, both in writing and through oral presentation
- Describe the importance of cultural competence in communicating public health content

Interprofessional Practice

- Perform effectively on interprofessional teams

Systems Thinking

- Apply systems thinking tools to a public health issue

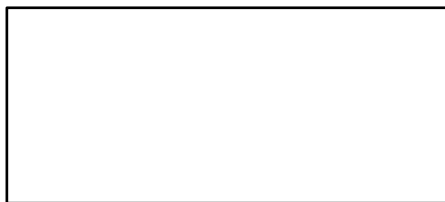
Program Specific Competencies

(Starting Fall 2024)	
Biostatistics and Data Science Competencies	
<input type="checkbox"/>	Apply principles of inferential statistics and data science to analyze various types of health-related data and decision-making.
<input type="checkbox"/>	Apply hypothesis tests for public health and medical-related research questions, select appropriate statistical methods based on the study objectives and data type, and draw conclusions based on the testing results.
<input type="checkbox"/>	Evaluate public health and medical studies and design suitable power analysis and sample size calculations.
<input type="checkbox"/>	Apply software and programming skills for data acquisition, management, cleaning, visualization, and analysis.
<input type="checkbox"/>	Apply expertise to advise researchers and public health professionals on translating research questions into testable hypotheses to advance public health.
<input type="checkbox"/>	Develop skills in communication, interpretation, and presentation of research findings to collaborators or clients
(Prior to Fall 2024)	
Biostatistics Competencies	
<input type="checkbox"/>	Explain the role that probability and statistical distributions play in inferential statistics and decision-making.
<input type="checkbox"/>	Advise researchers and public health professionals on translating research questions into testable hypotheses to advance public health.
<input type="checkbox"/>	Prepare appropriate analytic approaches for public health research questions, use corresponding statistical methods to test null hypotheses, and draw conclusions based on the testing results
<input type="checkbox"/>	Selectively apply hypothesis tests for comparing treatment strategies and exposure groups appropriate to the type of response measurement (e.g., binary, ordinal, continuous)
<input type="checkbox"/>	Perform power analysis and sample size calculations to aid in the planning of public health studies.
<input type="checkbox"/>	Communicate to colleagues and clients the assumptions, limitations, and (dis)advantages of commonly used statistical methods and describe preferred methodological alternatives when assumptions are not met.
<input type="checkbox"/>	Use computer software for acquisition, management, analysis of data, and presentation of results.
(Starting Fall 2024)	
Community Health Science and Policy Competencies	
<input type="checkbox"/>	
<input type="checkbox"/>	Analyze the impact of community practice interventions on public health, social justice, health promotion, and/or economic opportunity.
<input type="checkbox"/>	Demonstrate proficiency in planning, implementation and evaluation of ethical and culturally aligned public health programs, policies, and/or interventions.
<input type="checkbox"/>	Apply management practices to decision-making in public health.
<input type="checkbox"/>	Develop, analyze, and/or evaluate policies for improving the health status of populations.
<input type="checkbox"/>	Identify socio-ecological factors and potential solutions affecting the health of individuals and populations, including health disparities.
(Prior to Fall 2024)	
Behavioral and Community Health Sciences Competencies	
<input type="checkbox"/>	Prioritize individual, organizational and community concerns, assets, resources and deficits for social and behavioral science interventions and policy change.
<input type="checkbox"/>	Analyze the role of individual, social and community factors in both the onset and solution of public health problems through intervention or policy change.
<input type="checkbox"/>	Design, implement, and interpret program evaluation methods to assess and improve community health programs and/or policies
<input type="checkbox"/>	Understand and apply public health methods across multiple levels of influence, specifically using the Social Ecological Model
<input type="checkbox"/>	Translate research to public health practice and policy
<input type="checkbox"/>	Apply evidence-based public health approaches to examine and respond to behavioral and community health issues in Louisiana
(Prior to Fall 2024)	
Health Policy and Systems Management Competencies	
<input type="checkbox"/>	Apply quality and performance improvement concepts to address organizational and systems performance issues.
<input type="checkbox"/>	Demonstrate innovative system management strategies, technology, and communication solutions for health policy and organizational problems.
<input type="checkbox"/>	Appraise the current issues in planning, resources allocation, and financing and their effects on consumers, providers, and payers in a health system.
<input type="checkbox"/>	Analyze the impact of political, social, and economic policies on health systems at the local, state, national, and international levels and formulate solutions to key problems.
<input type="checkbox"/>	Apply evidence-based management practices to critical evaluation and decision making in health care delivery.
<input type="checkbox"/>	Propose policy development, analysis, and evaluation processes for improving the health status of populations.

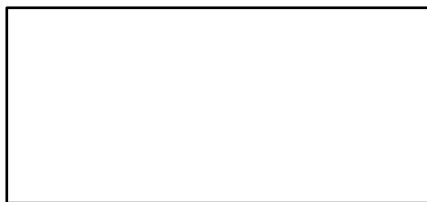
<input type="checkbox"/>	Assess organization behavior and structure for solving organization problems through the lens of system thinking.
(Starting Fall 2024)	
Environmental Health, Climate and Sustainability Competencies	
<input type="checkbox"/>	Identify and assess health impacts of environmental hazards.
<input type="checkbox"/>	Appraise and communicate the science on climate change and sustainable solutions.
<input type="checkbox"/>	Develop and evaluate policies to equitably address hazards and risks.
<input type="checkbox"/>	Analyze and interpret data related to hazards, risks and impacts.
<input type="checkbox"/>	Facilitate resilience and adaptation through geospatial planning to address vulnerabilities and risks.
(Prior to Fall 2024)	
Environmental and Occupational Health Sciences Competencies	
<input type="checkbox"/>	Collect, analyze, and interpret environmental and occupational health outcomes data.
<input type="checkbox"/>	Examine the direct and indirect human, ecological, and safety effects of environmental and occupational exposures in order to protect the health of workers and the public.
<input type="checkbox"/>	Evaluate biological, genetic, physiological, and psychological factors that affect human susceptibility to adverse health outcomes following exposures to environmental and occupational health hazards.
<input type="checkbox"/>	Select appropriate human health risk assessment methods for a variety environmental and occupational data.
<input type="checkbox"/>	Recommend corrective strategies for mitigating and preventing environmental and occupational exposures that pose human health and safety risks.
<input type="checkbox"/>	Apply knowledge of federal and state regulatory programs, guidelines, and authorities appropriate to environmental and occupational health and safety.
(Starting Fall 2024)	
Epidemiology and Population Health Competencies	
<input type="checkbox"/>	Critique the processes involved in the design, analysis and evaluation of an epidemiologic study.
<input type="checkbox"/>	Distinguish the major sources of bias in epidemiology research and literature and the ways to evaluate and reduce the bias.
<input type="checkbox"/>	Apply and perform epidemiologic analyses using linear, logistic, Cox and Poisson regression using a standard statistical package (e.g. SAS, R, or STATA).
<input type="checkbox"/>	Evaluate data for confounding and effect modification (interaction) applying the tools of causal inference in epidemiology.
<input type="checkbox"/>	Effectively communicate epidemiologic information to diverse audiences in diverse settings.
<input type="checkbox"/>	Apply evidence-based management practices and quality improvement concepts to address health care organization and delivery issues.
<input type="checkbox"/>	Analyze the impact of political, social, and economic policies on health systems at the local, state, national, and international levels and formulate solutions to key problems.
(Prior to Fall 2024)	
Epidemiology Competencies	
<input type="checkbox"/>	Critique the processes involved in the design, analysis and evaluation of an epidemiologic study.
<input type="checkbox"/>	Distinguish the major sources of bias in epidemiologic research and the ways to evaluate and reduce the bias.
<input type="checkbox"/>	Apply epidemiologic analyses using linear, logistic, Cox and Poisson regression.
<input type="checkbox"/>	Evaluate data for confounding and effect modification (interaction)
<input type="checkbox"/>	Apply the tools of causal inference in epidemiology (e.g., counterfactuals, directed acyclic graphs)
<input type="checkbox"/>	Appraise the strengths and weaknesses of epidemiologic literature
<input type="checkbox"/>	Effectively communicate epidemiologic information to diverse audiences in diverse settings.

Complete all sections below. Practice-based products that demonstrate MPH competency achievement. *Each of the selected competencies must be paired with a deliverable. **Work activities support the creation and completion of products for the organization's use. ***Students must create at least two deliverables. Deliverables are tangible and functional products that the organization can adopt such as a strategic plan, community health assessment, data analysis report and/or policy brief.

Competencies as defined above that are documented through product*



Work Activities**



Deliverable product in portfolio that demonstrate competencies***



Competencies as defined above that are documented through product***




Work Activities**



Deliverable product in portfolio that demonstrate competencies***




Competencies as defined above that are documented through product***



Work Activities**



Deliverable product in portfolio that demonstrate competencies***



Competencies as defined above that are documented through product***



Work Activities**




Deliverable product in portfolio that demonstrate competencies***



Competencies as defined above that are documented through product***



Work Activities**



Deliverable product in portfolio that demonstrate competencies***



Choose one competency and written deliverable product to continue in PUBH 6600: Culminating Experience ****



**Practice Experience Proposal
Signature Page**

Students' Academic Advisor must sign this form acknowledging they discussed these competencies with the student and the student has the knowledge and skills to demonstrate the work proposed.

Student's Signature: _____ Date: _____

Preceptor's Signature: _____ Date: _____

Student Advisor's Signature: _____ Date: _____

Course Director's Signature: : _____ Date: _____