

Proposal

**Louisiana State University Health Science Center
School of Public Health**

One semester prior, complete this then have the practice experience coordinator and your preceptor review and sign the form. Submit the completed and signed form to the practice experience office.

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

Behavioral and Community Health Sciences Program Competencies

- Prioritize individual, organizational and community concerns, assets, resources and deficits for social and behavioral science interventions and policy change.
- Design, implement and evaluate public health programs, policies and interventions.
- Analyze the role of individual, social and community factors in both the onset and solution of public health problems through intervention or policy change.
- Evaluate evidence-based approaches in the development and evaluation of social and behavioral science interventions, studies and programs.
- Examine the cultural, social, and behavioral determinants of health and health disparities.
- Prepare approaches to health promotion issues that take into account cultural differences.

Biostatistics Program Competencies

- Explain the role that probability and statistical distributions play in inferential statistics and decision-making.
- Advise researchers and public health professionals on translating research questions into testable hypotheses to advance public health.
- Prepare appropriate analytic approaches for public health research questions, use corresponding statistics method to test the null hypotheses, and draw conclusions based on the testing results.
- Selectively apply hypothesis tests for comparing treatment strategies and exposure groups appropriate to the type of response measurement (e.g., binary, ordinal, continuous).
- Perform power analysis and sample size calculations to aid in the planning of public health studies.
- 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.
- Use computer software for acquisition, management and analysis of data and presentation of results.
- Create and present oral and written reports of the methods, results and interpretations of statistical analyses to both statisticians and non-statisticians.

Environmental and Occupational Health Sciences Program Competencies

- Collect, analyze, and interpret environmental and occupational health outcomes data.
- 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.
- Evaluate biological, genetic, physiological, and psychological factors that affect human susceptibility to adverse health outcomes following exposures to environmental and occupational health hazards.
- Select appropriate human health risk assessment methods for a variety of environmental and occupational data.
- Recommend corrective strategies for mitigating and preventing environmental and occupational exposures that pose human health and safety risks.
- Exhibit knowledge of federal and state regulatory programs, guidelines, and authorities appropriate to environmental and occupational health and safety.
- Apply risk management and risk communication methodologies to address issues of environmental justice, equity, and policy.
- Propose environmental and occupational health promotion and injury prevention strategies for communities and workplaces.

Epidemiology Program Competencies

- Estimate advanced epidemiologic measures for descriptive and etiologic studies.
- Examine basic ethical and legal principles pertaining to the collection, maintenance, use and dissemination of epidemiologic data.
- Inspect the processes involved in the design, analysis and evaluation of an epidemiologic study.
- Appraise the direction and magnitude of bias on measures of association and draw appropriate inferences from epidemiologic data.
- Apply biological principles to development and implementation of disease prevention, control, or management programs.
- Identify the principles and limitations of public health screening programs.
- Employ statistical computer packages to calculate and display descriptive statistics.
- Analyze categorical data for case control and cohort studies and perform multiple logistic regression analysis and describe the essential elements of survival analysis.
- Examine data for confounding and effect modification, and handle appropriately.
- Evaluate the strengths and limitations of epidemiologic reports and be able to communicate epidemiologic information to lay and professional audiences.

Health Policy and Systems Management Program Competencies

- Apply quality and performance improvement concepts to address organizational and systems performance issues and use "systems thinking" for solving organizational problems.
- Demonstrate leadership skills in public health and communicate health policy and management issues, using appropriate channels and technologies.
- Appraise the current issues in planning, resources allocation, and financing and their effects on consumers, providers, and payers in a health system.
- 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.
- Select evidence-based principles, law and ethics to critical evaluation and decision- making in health care delivery.
- Propose policy development, analysis, and evaluation processes for improving the health status of populations.

Complete all sections below.

1. Work Activities*

1. Deliverable "Product" **

2. Work Activities*

2. Deliverable "Product" **

3. Work Activities*

3. Deliverable "Product" **

4. Work Activities*

4. Deliverable "Product" **

5. Work Activities*

5. Deliverable "Product" **

*Work activities are 1) an entire project in an area of public health practice (fulfilling one of the core functions of public health: assessment, policy development, or assurance) or 2) Individual activities as components of a large project. 3) activities that support the creation and completion of products for the organization's use

**Deliverables are tangible and functional products or a service that the organization can adopt such as 1) operation manual 2) data dictionary 3) strategic plan based off of organization self-assessment 4) SAS Code 5) data analysis report 6) Policy Brief

Student's Signature: _____ Date: _____

Preceptor's Signature: _____ Date: _____

Course Director's Signature: _____ Date: _____

Complete all sections below. Deliverables "products" must be associated with competencies. Deliverables "products" will be submitted at the end of the semester and added to student's portfolio.

Practice-based products that demonstrate MPH competency achievement

*Each student portfolio must include at least two products

**Each student must demonstrate attainment of at least five competencies, of which at least three must be foundational competencies

Specific products in portfolio that demonstrate competencies obtained*

Competencies as defined above that are documented through product**

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