

# Annual Report on Program Student Learning Outcomes Assessment

*(Due October 15, 2013: Please answer as many questions below as you can. All programs must submit #1.)*

*From 2014 on, this form is due annually by November 15 to the Provost's Office.*

**Program:** School of Public Health – MPH, MS, DrPH, and PhD programs

**Program Contact and Title:** Lisa Sullivan, Associate Dean for Education (MPH and DrPH degrees);  
Roberta White, Associate Dean for Research (MS and PhD degrees)

**College/School Contact and Title:** Lisa Sullivan, Associate Dean for Education, and Roberta White, Associate Dean for Research

**1. List the learning outcomes for the program (if you are new to program assessment, you might want to begin with 3-5 primary outcomes):**

The School of Public Health has clearly defined competencies for each of its degree programs and concentrations:

## **DOCTOR OF PHILOSOPHY (PHD)**

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### **Environmental Health**

Upon completing the requirements for the PhD in Environmental Health graduates are able to:

- Communicate the basic characteristics of major chemical, physical, and biological hazards and the properties that govern the hazards' behavior in the environment;
- Explain the scientific characteristics (e.g. route of exposure, dose response, mode of action) of major chemical, physical, and biological hazards that result in human health risk;
- Explain and analyze genetic, physiologic, and social factors that affect the susceptibility to adverse health outcomes following exposure to environmental hazards;
- Critically evaluate and interpret the hypothesis, experimental design, methods and results presented in a paper from a technical journal article in an environmental health discipline (toxicology, epidemiology, exposure assessment, environmental policy);
- Identify data gaps and formulate testable hypotheses about critical questions in environmental health (epidemiology, toxicology, exposure assessment, environmental policy);
- Design and implement data collection strategies and rigorous evaluations to test hypotheses using novel or current techniques;
- Analyze and interpret environmental health data;
- Identify appropriate intervention strategies for specific environmental health problems; and
- Prepare scientific manuscripts for publication in peer reviewed journals in the field of environmental health; and
- Communicate scientific results at national and/or international conferences in the field of environmental health.