

Public Health Graduate Certificate in GIS

Academic Year 2016-2017

Program Profile

The role of Geographic Information Science (GIS) mapping, research and spatial analysis is a valuable tool in public health today to better understand the geography of disease and its risk factors. The role of GIS is rapidly increasing in the development of public health policy for targeted prevention and intervention methods. Upon completion of the Public Health Graduate Certificate in GIS, students will be able to:

- **Understand** geographic information science principles in the context of public health.
- **Demonstrate** knowledge of methods of the geospatial analysis of public health information.
- **Apply** appropriate geospatial methods to public health research, practice and policy.
- **Use GIS software** and geodatabase design to access, manage and analyze spatial health data.

15 Credit Hours Required

Curriculum		SCH
BIOS 5300	Foundations of Biostatistics	3
EPID 5300	Principles of Epidemiology	3
EOHS 5362	GIS in Public Health	3
EOHS 5364	Geographic Distribution of Health and Disease	3
EOHS 6366	Geospatial Applications	3

Reviewed and agreed on this date _____

SPH Advisor _____

Student _____