DEPARTMENT: Biostatistics and Bioinformatics

COURSE NUMBER: INFO560R  SECTION NUMBER:  SEMESTER: Fall 2011

CREDIT HOURS: 2

COURSE TITLE: Advanced Public Health Applications of Geographic Information Systems (GIS)

INSTRUCTOR NAME: Michael Page

INSTRUCTOR CONTACT INFORMATION:

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OFFICE HOURS: By Appointment

BRIEF COURSE DESCRIPTION

This course builds upon the skills learned in INFO 530 and examines advanced technologies and methods in GIS with regard to public health applications. Students will complete interactive self-paced and instructor led tutorials/labs using ESRI’s ArcGIS suite of applications. Lectures and labs are designed to inform students in the design and execution of an individual GIS project and technical paper.

LIST SCHOOL LEVEL, DEPARTMENT, AND/ OR PROGRAM COMPETENCIES

Follow-up course to INFO530, graduate level, computer science and research methodologies

ACADEMIC HONOR CODE

The RSPH requires that all material submitted by a student in fulfilling his or her academic course of study must be the original work of the student.
LIST LEARNING OBJECTIVES ASSOCIATED WITH THE COMPETENCIES

Project Design and Data Management
GIS Analysis Methodologies and Advanced Techniques
Technical Writing

EVALUATION

Laboratory Assignments