GES 286: Intro to the Environment: A GeoSpatial Perspective

This detailed course description provides information about course topics & content. It is not a course syllabus. Summer 2013 course syllabi are updated in the spring, and may not be available until summer classes begin.

Instructor Information

Instructor	Email	Course Format	Number of Credits
Joseph School	school@umbc.edu	Lecture, Lab, Discussion	4

General Information

Course Format Other

Students will need to spend approximately 5 hours in lab, 1 hour in lecture and 1.5 hours in discussion.

Delivery Format

Hybrid

Prerequisite /Co-requisite:

none

Course Materials

Currently Used Materials

- none

Course Objectives/Learning Outcomes:

Students will use field collections methods learned in class to acquire data. They will then use GIS (Geographic Information Science) software to spatially represent and analyze that data collected.

Labs allow students to both understand and use mathematical and scientific methods of inquiry, reasoning processes, and strategies to investigate and solve problems. Students are expected to organize, interpret, draw inferences, and make predictions about natural phenomena using scientific methods and theories

Potential Topics Covered:

This course will be taught in a hybrid format. There is a question/discussion day along with a formal lab day each week. Students will be required to read and review lecture slides prior to class and come prepared to discuss the material covered. A series of question will be provided with each online lecture to facilitate discussion. Students are expected to answers these questions before the discussion. Labs will require students to spend time outdoors; they should dress accordingly. Additional time beyond the scheduled lab time each week will be required to complete the lab assignments. Additional lab hours will be available. Also, student copies of the required software (that can be installed on personal computers) will be provided.