

## Geosciences eLearning Initiative

In order to create greater access to courses and programs in the geosciences, our department has made concerted effort to expand the flexibility in our instruction by increasing the number of courses that are offered fully on-line as well as hybrid offerings, which blend face-to-face instruction with a significant on-line component. Most offerings are in an asynchronous environment to offer maximum flexibility. To ensure the highest quality of eLearning pedagogy, faculty have enrolled in training modules through FAU's Center for eLearning (CeL) via a semester-long CeL 1001 course taught by instructional designers especially cognizant of the latest eLearning pedagogy. Faculty have also sought extra training by enrolling in web-based Sloan Consortium (Sloan C) courses focused on a variety of topics related to eLearning instruction. The Department of Geosciences expects the faculty will stay on top of the latest eLearning pedagogy and thus considers such training programs as essential for ongoing professional development.

We currently offer online instruction in 21 courses from lower-level IFP to graduate level offerings. These offerings are listed below. To date, however, only the GIS Certificate can be obtained totally online in the Geosciences Department. The Department, however, has a goal of transforming the M.A. program in Geography to offering a completely online *option*, and is considering the proposal of a professional M.S. degree in GIS, which would be offered totally online.

### eLearning Course Offerings in the Department of Geosciences.

[Note: Courses are fully online unless listed as hybrid.]

#### IFP Courses

ESC 2070 The Blue Planet  
GEA 2000 World Geography (hybrid)  
MET 2010 Weather and Climate (hybrid)

#### Upper Level Courses

GEO 4422 American Cultural Landscape  
GEO 4542 Tourism and Commercial Recreation  
GEO 4602 Urban Geography  
GEO 4700 Transportation and Spatial Organization  
GIS 3015C Introduction to Mapping and GIS  
GIS 4035C Remote Sensing of the Environment  
GIS 4037C Digital Image Analysis  
GIS 4043C Principles of Geographic Information Systems  
GIS 4102C Programming in Geographic Information Systems

#### Graduate Courses

ESC 6206 Earth Science for Educators I  
ESC 6207 Earth Science for Educators 2  
GEA 6277 Human-Environmental Interactions  
GEO 6608 Seminar in Urban Area Analysis (hybrid)  
GIS 5033C Digital Image Analysis

GIS 5038C Remote Sensing of the Environment  
GIS 5051C Principles of Geographic Information Systems  
GIS 5103C Programming in Geographic Information Systems  
GLY 6931 Thesis/Dissertation Seminar (hybrid)