Steve DeGloria lightning...

Professor of Resource Inventory & Analysis Director, IRIS Department of Crop and Soil Sciences

• Teaching (70%):

- CSS 4110 Environmental Information Science
- CSS 4200 Geographic Information Systems
- CSS 4650 Global Positioning System
- CSS 6200 Spatial Modeling & Analysis

• Research (30%):

- Reflectance spectroscopy for estimating soil properties for soil survey (Neafsey)
- Spatial modeling of invasive species establishment (McNally)
- Emergency Response Management System (Popowitch)
- Dilmun Hill Cornell Student Farm: Arsenic/Lead field plot positioning
- Spatial Modeling (Zambia): terrain derivatives for conservation agriculture
- Spatial Modeling (Kenya): Soil biogeochemistry watershed maps
- FLNF plot inventory data to USFS NRIS



CSS 4200: Agro-Ecological Zoning and Site Suitability Assessment for Biofuel Crop Production

Global Properties:







Sample Plot Positioning for Assessing Heavy Metals in Soils Dilmun Hill Cornell Student Farm

Visible-Near Infrared Diffuse Reflectance Spectrosopy (VNIR DRS) for Soil Survey

Estimating Watershed Areas in Western Kenya Using DEM Derivatives (Spatial Analyst > Hydrology; TauDEM; ArcHydro)

Spatial Modeling (Zambia): terrain derivatives for conservation agriculture

