GEOSPATIAL TECHNOLOGY FACULTY

Douglas O. Fuller, Ph.D., University of Maryland, Professor and Chair — remote sensing, biological conservation, GIS and land cover change • Southeast Asia, Africa, USA

Han Li, Ph.D., University of Utah, Assistant Professor — urban economics, social and cultural environments • China, USA

Imelda K. Moore, Ph.D., M.P.H., University of Illinois at Urbana-Champaign, Assistant Professor — health care utilization, food environments, maternal and child health • Africa

Shivangi Prasad, Ph.D., Florida Atlantic University, Lecturer — environmental & social vulnerability modeling, climate change, natural hazards, risks & impacts, and GIS/spatial analysis • USA

Han Li, Ph.D., University of Utah, Assistant Professor — urban economics, social and cultural environments • China, USA

Imelda K. Moore, Ph.D., M.P.H., University of Illinois at Urbana-Champaign, Assistant Professor — health care utilization, food environments, maternal and child health • Africa

Shouka B. Sen Roy, Ph.D., Arizona State University, Professor — climatology, rainfall patterns, GIS, spatial analysis • South Asia

Ira M. Sheskin, Ph.D., Ohio State University, Professor — ethnic geography, quantitative methods, survey research, American Jewish community • Middle East

Justin Stoler, Ph.D., M.P.H., San Diego State University / UC Santa Barbara, Associate Professor — medical geography, population and environment, GIS, spatial analysis • West Africa

Diana Ter-Ghazaryan, Ph.D., Florida International University, Lecturer — cultural & urban geography, critical GIS • Former Soviet Union

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GRADUATE CURRICULUM

The Certificate Program in Geospatial Technology (GT) is designed to benefit students who seek to enhance their skills in geospatial technology, especially Geographic Information Systems (GIS) and satellite remote sensing. The Certificate requires 15 credits, including three core courses and two or more electives. Students may receive credit toward the Certificate for past coursework completed at UM or other accredited schools.

Core Courses

- GEG 691: GIS I
- GEG 693: GIS II
- GEG 692: Remote Sensing of the Environment

Electives

- GEG 680: Spatial Data Analysis I
- GEG 681: Spatial Data Analysis II
- GEG 685: Digital Cartography
- GEG 621: Field Methods & Geospatial Analysis
- GEG 695: Web GIS
- GEG 635: Internship in Geography/GIS
- GEG 645: Advanced Independent Study

Sections:
- GIS for Health and Environment
- Crime Mapping and Analysis

Non-GEG electives:
- Infographics and Data Visualization
- Introduction to Computer Programming
- Other electives as approved

Undergraduate students may pursue a similar program by declaring the Minor in Geospatial Technology. For details on the Undergraduate program please visit http://miami.edu/geography.