

New Geography Course In Fall 2021

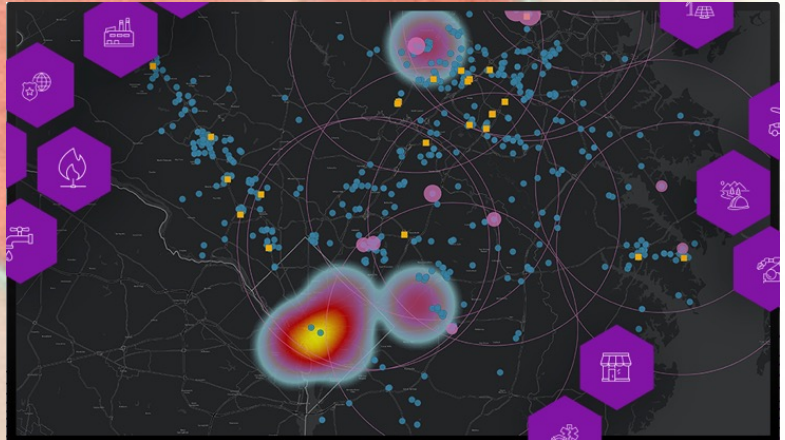
## **GEOG 412: Environmental Modeling & Geospatial Analysis**

### ***Topic: GIS for Hazard & Emergency Management***

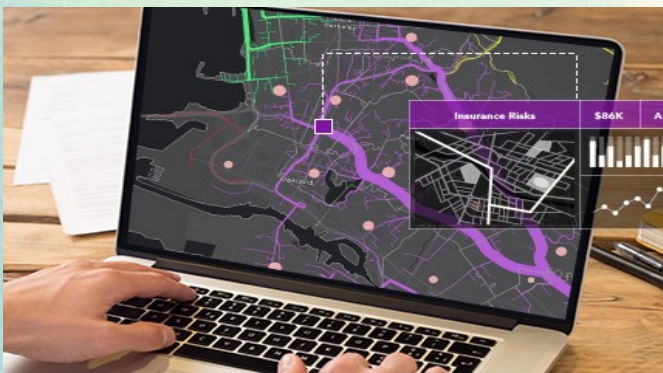
Lectures: TR 11:30 am-12:45 pm; Instructor: Liem Tran, PhD

Creating safer, more resilient communities requires a modern approach to understanding the complex threats, hazards, and regional/local vulnerabilities. In that context, the use of Geographic Information Science (GIS) in hazard & emergency management has made an enormous impact in planning, mitigating, responding to and recovering from a major emergencies.

GEOG 412 in Fall 2021 will help students achieve an understanding of the use of GIS to build resilience, respond, and recover with location intelligence.



Student will learn how to use GIS to support the various stages of hazard & emergency management activities at different scales, e.g., from small scale emergency management to large scale disaster/humanitarian responses. Students will be introduced to



common and emerging geospatial technologies for hazard & disaster management through practical exercises using real-world datasets and scenario analyses.

***Build resilience, respond, and recover with location intelligence***