MAPS AND GEOGRAPHIC INFORMATION

T/R 9:30-10:45 OR T/R 11-12:15

Select topics:
• How maps lie
• Earth observing satellites
• Place-based problem solving
• Anatomy of maps
• Spatial thinking

Department of Political Science & Geography
Advanced Environmental Geography
SPRING 2020 | GEOG 400W
Tuesdays 4:20-7:00pm

Dr. Hannah Torres * htorres@odu.edu
Department of Political Science & Geography

- Flood resilience
- Water use conflicts
- The hydrologic cycle
- Water quality issues
- Watershed management
- Human-environment interactions
Learn how colors evoke emotions in people
Explore how different maps are created and used for different purposes
Develop a graphics portfolio that can be used for internships and employment applications
GEOG 411/511 Urban and Regional Planning

• Design • Community • Transportation • Economic Development • Sustainability • Smart City • Energy •

Field Trips • Guest speakers from the field

Spring 2020 • Tue/Thu • 3-4:15PM
Dr. Federica Bono • fbono@odu.edu
“The Sea, once it casts its spell, holds one in its net of wonder forever.”
--Jacques Cousteau

Marine Geography: GIS for a Blue Planet
GEOG 420/520
Thursdays 4:20-7pm
SAIL Lab in Monarch Hall 2114
* Counts toward GIS and SpACE Certificates

Sample topics:
Seafloor Mapping
Hydrographic Surveying
Climate Change and Oceans
AIS Ship Tracking and Charting
Law of the Sea
Maritime Trade, Piracy, and Shipwrecks
Deep Water Drilling and Oil Spills
The Arctic
Ocean Atlases
Marine GIS and Ecoregions
Marine Spatial Planning

Contact Dr. Tom Allen, tallen@odu.edu
GEOG 462/562: Advanced Spatial Analysis

Wednesdays, 04:20-07:00pm, Spring 2019

Instructor: Dr. Hua Liu (hxliu@odu.edu)

- Advanced spatial analysis theory & applications
- Multiple geospatial programs
- Field experience

- Presentable course outcomes
- Pre-requisite: GEOG 402/502 (GIS)
- Core course for SpACE Certificate
- Elective course for GIS Certificate
Learn how emergency managers across business sectors and industries use GIS to inform decisions. Topics will cover:

❖ Hazard and Risk Analysis
❖ Risk Communication
❖ Geospatial Tools and Applications for Preparedness, Response, Recovery, and Mitigation