GEOG 5140 - Methods in GIS

Department of Geography, University of Utah (Summer 2014)

Instructor: Dapeng Li
Office Hours: OSH 334, Tuesday 1:00 pm – 4:00 pm or by appointment
Lab Location: OSH 273, Tuesday 4:00 pm – 6:00 pm (optional)

Prerequisites:
GEOG 3140 or equivalent. If you fail to meet the requirement but feel you are qualified to be successful in this course, contact the instructor before enrolling.

Course Description:
This course explores advanced use of Geographic Information Systems (GIS) to support geographic inquiry and decision making. Students will develop a better understanding of popular methods in GIS and their applications in various real-world spatial problems.

Who is this course for?
This course is intended for advanced undergraduate and graduate students in Geography or related disciplines that want to apply GIS and spatial analysis techniques in a research or professional setting. Course topics will include georeferencing, geocoding, vector and raster data analysis, terrain analysis, and network analysis among others. Students in this course will gain exposure to the theoretical underpinnings of GIS and spatial analysis, as well as hands-on experience in the lab exercises and final project.

Please contact me if you have any questions. Email: dapeng.li@geog.utah.edu