Course: GEOG 5165/6165, 3 Units
Instructor: Matthew Connolly Ph.D.
Day & Time: Tuesday, 4:30 PM to 7:35 PM
Location: OSH 273

Prerequisites: GEOG 3140, GEOG 5140/6140, and GEOG 5150/6150

Course Description:
With the Internet being the main source of information and communication for many people, the demand for accessing information via maps is increasing at a rapid pace. Geographic Information Systems (GIS) are quickly moving towards a web-based environment where everyone can access GIS data/functionality regardless of location and GIS skill level. This course provides students with an understanding of the current state of Web GIS and how GIS can be leveraged via the web.

Who is this course for?
This course is intended for advanced undergraduates or graduate students in Geography or related disciplines that want to advance their understanding of Web GIS principles and applications for use in professional or research settings. Graduate Students should enroll in GEOG 6165, and will be held to higher standards. Course topics will include the role of the Web in GIS, the present and future challenges of implementing Web GIS applications, and related technologies such as Geospatial Mashups and Geospatial Web Services among others. Students will also gain hands-on experience developing basic Web GIS applications.