

# URPL 590

## Contemporary Topics in Urban and Regional Planning: Mapping Mashups

Spring 2009 -- 2 credits (Ten week course - Beginning February 24<sup>th</sup>)

David Hart, GIS Specialist, University of Wisconsin Sea Grant Institute

Email: dhart \*at\* aqua.wisc.edu Phone: 262-6515

A.J. Wortley, Senior Outreach Specialist, Wisconsin State Cartographer's Office

Email: lwortley \*at\* wisc.edu Phone: 265-8106

Tuesdays 2:30 to 3:45 pm and Thursdays 2:30 to 4:15 pm

Class periods will be spent in either 208 Old Music Hall or the URPL Computer Lab (First Floor - Old Music Hall).

Creation of geospatial data is accelerating at a rapid pace. Increasingly, these geospatial data are being made accessible on-line as web services. Innovative organizations have begun to integrate these web services and develop web mapping applications that can be used for a variety of purposes. An example is Walk Score (<http://www.walkscore.com/>) that lets the user calculate the "walkability" of their neighborhood along with a listing of the closest business in a variety of categories. Recently, software has been developed that lets people without extensive computer programming skills develop mapping applications that pull data from multiple distributed sources. These applications are referred to as "mapping mashups." This course will nurture an understanding of the mashup phenomenon and provide "hands-on" experience on the use of Google Maps, Google Earth, and selected open source tools to develop web mapping applications.

*This is an intermediate-level GIS course. Consent of instructor required. An introductory course in GIS or cartography is recommended. Enrollment limit: 18*

