

# URPL 969

## Applied GIS Workshop: Land Use Inventory and Analysis

Spring 2007 -- 3 credits

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Wednesdays and Fridays - 1:00 to 2:15 p.m.  
208 Old Music Hall. Some class periods will be spent in the URPL Computer Lab.

This is an intermediate-level course that focuses on the application of geographic information systems in the practice of urban and regional planning, with a focus on land use and environmental issues. Students will learn about cutting-edge land classification and field inventory methods, as well as GIS functionality for working with parcel maps and tax assessment data. The central component is a class project covering the collection, formatting, analysis, and presentation of land use data for a neighborhood in a Great Lakes coastal community utilizing the Land-Based Classification Standards developed by the American Planning Association. Planning issues to be addressed include the preservation of "working waterfronts" and smart growth concepts associated with the transformation of an obsolete industrial corridor into a vibrant employment center that mixes residential, commercial, and industrial uses.

An introductory course in GIS or cartography is recommended. Enrollment limit: 20 students

