PPPM 408/508: Advanced GIS  
Spring 2016 (CRN: 35027/35046)

Instructors
Yizhao Yang, Ph.D., Association Professor  
(yizhao@uoregon.edu)
Teaching Assistant: Kendall Black

Course Time and Location
Lectures: Fridays, 11:00am-11:50am, 442 MCK
Lab sessions: Fridays, 1:00pm-3:50pm, 442 MCK

Course Overview
The Advanced Urban GIS class (PPPM408/508) participates in this year’s Sustainable City Year Program, and will collaborate with City of Redmond to study several older neighborhoods in the city. The course will be organized around a GIS-project that aims at assessing neighborhood walkability, amenity, accessibility, and diversity based on the concept of “Great Neighborhood”. Through lectures, site-visits, GIS mapping and spatial analyses students will understand the relationship between neighborhood physical conditions and people’s quality of life, collect primary spatial and non-spatial data using smart phones and via Google Street View, and understand GIS applications in urban planning. At the end of the Spring term, students will present the project results to Redmond City staff, and will produce a professional report.

This course is open to undergraduate and graduate students who have completed an introductory GIS class (e.g., PPPM434) or have had some experiences using GIS.