

LA 440/540 Introduction to Landscape Planning Analysis

CRN: 33151 (undergrad); 33165 (grad) 4 credits

TTh 2:00-3:50 pm Spring 2019 @ Lawrence 231

Instructor: [Yekang Ko \(yekangko@uoregon.edu\)](mailto:yekangko@uoregon.edu)

Office hour: Wed 11 am to 12 pm and by appointment @ Lawrence 213

GE: Tori Murphy (vmurphy@uoregon.edu)

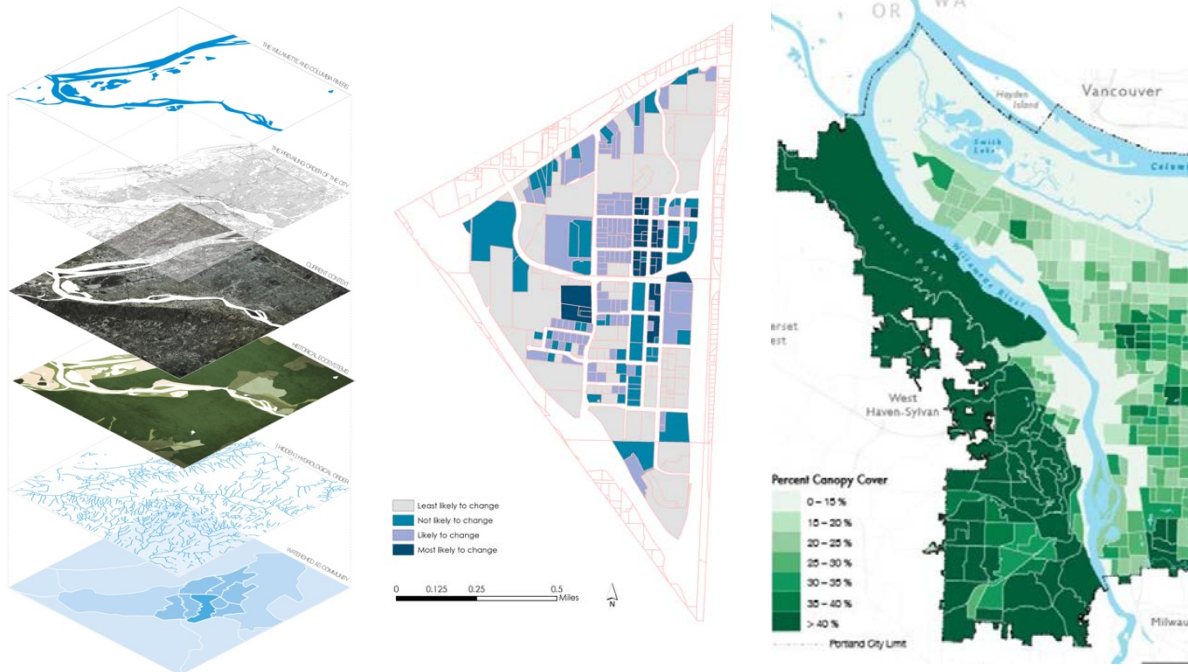


Image #1 <http://conceptdiagram.tumblr.com/post/61680161112/> / Image #2 Tori Murphy's land use change map of Tigard Triangle in OR from Planning Studio/ Image #3 <https://parkerziegler.com/portfolio/>

This course explores various approaches of landscape planning analysis,

- To understand rapidly changing cities and landscapes, especially increasing risks related to climate change across landscapes,
- To assess current conditions and project future changes of a region for identifying opportunities for design and planning interventions,
- To develop a systematic site selection process of your design and ultimately perform an evidence-based approach to landscape planning.

This course is a required course for landscape architecture students typically after learning basic GIS skills and before taking a planning studio, a comprehensive project prep (BLA) and Master's project clinic (MLA) in their final year. The course provides students with opportunities to explore advanced applications of GIS and obtain various planning analysis techniques that can be directly applied to the planning studio, comprehensive projects, and masters' projects. This course is open to students in other majors especially: PPPM, ENVS, or Geography. Basic GIS skills are recommended.

The course consists of lectures, discussions, group exercises, field trips, and GIS labs. Several workshops and field trips will be run by professionals. The evaluation will be based on class attendance, participation, reading responses, an individual project and group project performance.

The major contents are:

- Understanding and managing landscapes: Terrain analysis, tree inventory, watershed planning, urban flood analysis, solar potential analysis
- Projecting future landscapes: Land use change analysis, visual impact assessment, and land use implications of Urbanism Next.
- Planning process: Participatory planning techniques, advanced overlay methods using Delphi and analytical hierarchy process (AHP)

*This course is a development in progress and some descriptions may change before the spring term begins.