

ANALYZING LANDSCAPE SYSTEMS

Landscape Architecture 4/513 Winter 2016
Tuesday/Thursday 2:00-3:50 Lawrence 231
Professor Rob Ribe, 229 Lawrence Hall, rribe@uoregon.edu

Students from all majors except landscape architecture are welcome in this class. A basic physical geography course, or other basic natural science class is recommended prior to enrolling. You do not have to be able to draw.

The analysis of landscape areas is an important part of land use planning, geography, architecture, landscape architecture, real estate development, environmental advocacy, and land management decisions. It integrates physical, biological, social, legal, cultural, aesthetic and economic considerations in making choices about better landscape changes and management.

The class will focus on maintaining and improving the resiliency of small watersheds to sustain water quality and reduce flooding.

The class aims to familiarize students with applying basic landscape sciences and information to understanding how places came to be as they are, how they function, and how they ought best be changed or managed in the future. Students will learn to view places as evolving with suitability for sustainable uses and with constraints and opportunities for successful protection, management, planning or development.

This class will introduce the collection, understanding, and evaluation of land information. Topics covered are geology, geomorphology, soils, microclimate, ecology, hydrology, geology, aesthetics, zoning, and decision synthesis. These will be covered in lectures and lab assignments for actual places near Eugene.

Laboratory Projects: The current plan is that each student will produce maps of a study area for various land attributes. They will share this study sites with teammates, but each lab assignment will be performed by individual students and be individually graded. These projects will inform a last lab assignment aimed at informing the future of study sites. This last lab assignment may be performed by teams of students or by individual students. We may learn how to produce digital graphic maps and other illustrations for lab assignment documents.

Graduate students will have a more challenging take-home final exam and perform a watershed plan audit.

Please note: If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with Professor Ribe soon. Please request that the Counselor for Students with Disabilities send a letter verifying your disability.