

Spring 2024 LA 410/510

Sustainable Design Principles and Practices: User Centered Design for Landscape



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Time	Tuesday and Thursday 3:00 am – 4:50 am CRN 32619/32631
Location	Columbia Hall, Room 45
Credits	4
Instructor	Kory Russel Assistant Prof. Landscape Architecture and Env. Studies Lawrence Hall, Room 215 krussel@uoregon.edu
Course Description	<i>Sustainable Design Principles & Practices</i> is a team-project course that examines what it means to design sustainable systems from economic, environmental and social aspects. We will be looking specifically at the concept of waste and how waste is often the result of limited outlooks and design failures. Sustainability means changing how we think about waste and thinking more holistically about closing loops. Course work will focus on; (1) designing with a focus on the underlying scientific principles and systems, (2) design processes including human-centered design and other research/design techniques, (3) turning your innovative ideas into fundable proposals. Students will work in teams using human centered design techniques to propose sustainable solutions to various waste challenges. The final project will be to write a funding proposal for a design solution to some form of waste in society.

Winter 2017

LA 410/510

Sustainable Design Principles and Practices

Eligibility

This course is open to all undergraduate and graduate students however, preference is given to Landscape Architecture students.

Prerequisite

None

Course Format

The course is a mixture of discussions based on readings, videos, self-guided research, student presentations, lectures and a healthy dose of team-based work that explores aspects and techniques of sustainability and design. Students are expected to complete all readings prior to class and then to actively participate in class discussion. A portion of your grade is based on your preparedness and thoughtful contributions to classroom discussions. If for any reason you have difficulty speaking in class please see Prof. Russel as soon as possible to discuss alternatives. Additionally, students will work in their respective teams on design proposals employing human centered design techniques. Students will also be expected to set a meeting time outside of class for their teams to work together for 2 additional hours per week. Graduate students will be expected to participate in several ~45 min grad group discussion sessions. These sessions will include all the grad students and Prof. Russel. They will be scheduled outside of class time and around the participant's schedules.

Learning Objectives

by the end of the course students will:

- 1.) Identify qualities of a good definition of sustainability, how to measure it, and to develop their own personal definition.
- 2.) Identify and use quality team work and collaborative techniques
- 3.) Develop and apply leadership skills throughout the quarter (Grad students)
- 4.) Develop writing and proposal preparation skills and apply those in the final project
- 5.) Understand and use 15 distinct human-centered design (H/UCD) research methods and techniques
- 6.) Develop and demonstrate literature search and citation skills in the final project