

Winter 2018

## LA 410/510 Sustainable Design Principles and Practices



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Time	Tuesday and Thursday 16:00 pm – 17:50 pm CRN 26963/26964
Location	Lawrence Hall, Room 231
Credits	4
Instructor	Kory Russel Assistant Prof. Landscape Architecture and Env. Studies Lawrence Hall, Room 215 <a href="mailto:krussel@uoregon.edu">krussel@uoregon.edu</a>
Course Description	<i>Sustainable Design Principles &amp; Practices</i> is a team-project course that examines what it means to design sustainable systems from using human-centered design and co-design. 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. Readings and discussions will focus on; (1) designing for abundance not just reduction, (2) human-centered design/co-design and research techniques, (3) designing systems that nudge users to make better choices. Students will work in teams using human-centered design techniques to propose sustainable solutions to a waste challenge the team feels is particularly important. The final project will be to write a funding proposal for the sustainable design solution the team has created.

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## Sustainable Design Principles and Practices

**Eligibility**

This seminar 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, and 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 to actively participate in class discussion. 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 assigned additional readings/viewings as outlined in the course schedule.

**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 (HCD) research methods and techniques
- 6.) Develop and demonstrate literature search and citation skills in the final project