

**instructor:**

Ihab Elzeyadi, Ph.D., FEIA  
Professor of Architecture

227 Lawrence Hall  
ph. 541-346-3670  
fax 541-346-3626  
ihab@uoregon.edu

**meetings:**

Lectures:  
TU & TH, 8:30-9:50 AM  
+ ECS.2 Lab Sections,  
see class schedule for  
details

**crn:**

492: 30438  
592: 30522

**readings:**

In Praise of  
Shadows +  
MEEB +  
Canvas

**credits:**

4cr.

**grading:**

Graded or P/N

**format:**

The class uses a hands-on approach to learning technical knowledge of sustainable design and integrating it in the creation of sensory spaces as a design primer. The course focuses on daylighting, electric lighting, acoustics, water and waste in buildings as architectural and spatial elements. This is a lecture class that requires participation in lectures, ecs\_labs, team work on case studies of building investigations, and a term-long design project to apply the knowledge learned.

**course objectives:**

This is a survey course offering students technical knowledge that is essential to the design of buildings and spaces that celebrate the senses. The design of these spaces should engage us and provide an environment that is supportive of our productivity, comfort, and well-being.

We will focus on architectural daylighting, electric lighting, acoustics, and water management as sustainable design strategies of architectural place making. Approach this class with the intention of learning how to design with technology rather than only applying it!

## ecs.2: environmental controls systems II

# architecture + senses

daylighting . electric\_lighting . acoustics . life\_safety . water

