instructor: Ihab Elzeyadi, Ph.D., FEIA
Associate Professor of Architecture
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meetings:
Lectures:
TU & TH, 2:00-3:20 PM
+ ECS.2 Lab Sections, see class schedule for details

format:
The class uses a hands-on problem-based 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. This is a lecture class that requires participation in lectures, ecs_lab, team work on mini case studies of building investigations, and a term long design project to highlight the knowledge learned.

crn:
492: 31335
592: 31398

readings:
MEEB
Other Texts + Blackboard

credits:
4cr.

grading:
Graded or P/N

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 adequate environment for our health, comfort, and productivity.

We will focus on architectural daylighting/lighting, acoustics, water supply and recycling 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!