instructor: Ihab Elzeyadi, Ph.D., FEIA
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meetings:
Lectures:
TU & TH, 8:30-9:45 AM
+ ECS.2 Lab Sections, see class schedule for details

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, and water in buildings as architectural and spatial elements. This is an arch. tech. course 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 an architectural 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 wellbeing. We will focus on architectural daylighting, integrated electric lighting, acoustics, water conservation, and waste management as design primers and sustainable 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