instructor: Ihab Elzeyadi, Ph.D., FEIA
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meetings: Lectures, LA 177:
TU & TH, 8:30-9:50 AM
+ ECS.2 Lab Sections, see online class schedule for details

format: The lecture class uses a hands-on approach to learning technical knowledge of sustainable design and integrating it in the creation of sensory spaces. The course focuses on daylighting, electric lighting, acoustics, life-safety, and water/waste in buildings as architectural and spatial elements. This class that requires active participation in lectures and ecs2_labs. Students will work in teams on case studies of building investigations, and a term-long design project to apply the knowledge learned.

crns: Arch 4/592: 492: 31178
592: 31224

readings: In Praise of Shadows + MEEB + iClickers + Canvas

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 an environment that is supportive of our productivity, comfort, and wellness.

We will focus on architectural daylighting, integrated electric lighting, acoustics, and water management/budgets 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/waste