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

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meetings:  
M-W: 1:00-5:00 PM  
F: 2:30-6:30 PM  
Some Fridays will run longer for Field Trips, Workshops & Presentations

crn:  
484: TBD  
584: TBD

readings:  
studio folder  
(AAA network)

credits:  
6cr.

grading:  
P/N

format:  
This innovative studio will integrate net-zero energy design principles in the creation of an eco-centered elementary school. The studio will combine research, simulations, and design to explore space planning and architectural composition of massing that support net-zero design. The design process will investigate various school typology designs for entries in the DOE-Race to Zero student design competition.

studio objectives:  
The studio engages students in the DOE "Race To Zero" student design competition. The studio will inspire students to become the next generation design professionals who are prepared to meet the growing imperative for environmentally responsive architecture. Specifically, this competition helps provide future architects with the skills and experience needed to fully integrate building science into ultra-efficient buildings that are performative, inspiring, and beautiful. The studio explorations will balance research, simulations, and design in teams and individual assignments using a process of collective intelligence.

Net-Zero Elementary School for Eco-learning:

DOE RACE to ZERO Student Design Competition

Howard Elementary School, Eugene, OR - PIVOT Architecture, Daylighting Design Ihab Elzeyadi & HiPE Lab