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

studio objectives:
According to U.S. Customs and Protection, thousands of students cross the US-Mexico border to attend school in places like El Paso, Texas. Thousands of other students stranded, awaiting immigration clearance, on the border are in need to attend schools. This studio engages students in the DOE Solar Decathlon design competition focusing on a humanitarian need for a school in an extreme climate and environment. The studio will inspire students to be prepared to meet the growing imperative for environmentally-responsive design within the socio-economic responsibilities of an architecture for change.

format:
This innovative studio will fuse net-zero energy design principles in the creation of an eco-centered elementary school. The studio will combine architectural programming, research, simulations, and design to explore architectural composition of net-zero schools. The design process will investigate various school typology designs for entries in the DOE solar decathlon and AIA Cote Top 10 design competitions.

readings:
studio folder
(3AA network)

credits:
6cr.

grading:
P/N

On the Edge: A Net-Zero Elementary School
DOE Solar Decathlon Design Competition

Manufactured Sites, Solution for the U.S. border in Tijuana Estudio Teddy Cruz + Forman