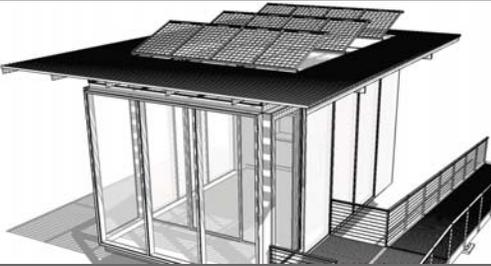




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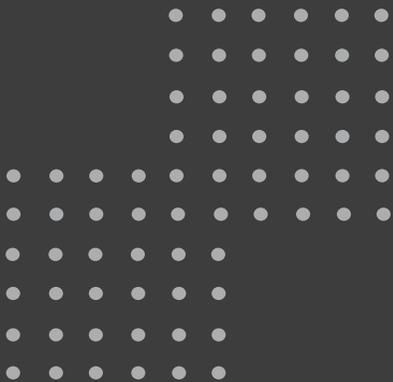
THE UNIVERSITY OF TENNESSEE

COLLEGE OF ARCHITECTURE + DESIGN



OUR VISION

UT Zero is a multidisciplinary team with the goal to develop new technologies for zero energy building for the University of Tennessee and the state of Tennessee. Our desire is to promote zero net energy consumption and zero carbon emission technology. Our mission is to bring students and faculty from various programs together to collaborate on UT Zero Energy projects.



Construction Design Studio

When: **Fall 2009**, one afternoon a week TBA.

First meeting **August 26, 6:00 PM Wood Shop**

Combined maximum enrollment of 15 students

What: **ARCH 425, 525 for 3 credit hours**

Where: Art and Architecture Building Wood Shop and UTZero site near Humanities Plaza

Who: Instructors **James Rose and Edgar Stach**

The UT Zero Energy House is a multidisciplinary project with the goal of creating new sustainable housing prototypes that are capable of producing their own power.

The work of the fall semester involves two components. The first half of the course will consist of finalizing construction of the UTZero modular housing prototype. Students will gain hands-on experience installing the glazing system, façade panels, photovoltaic array, and site access components. The second half of the semester will consist of preparing as-built documentation in 2 and 3D. These documents will be taken to a high level of detail and will give students insight into the relationship between drawing and construction.

It is anticipated that a field trip to the 2009 Solar Decathlon in October will be included. Knowledge gained from the construction and performance monitoring of this prototype will directly benefit UT's application to the Department of Energy's 2011 Solar Decathlon Competition later this year. This course is open to both graduate and undergraduate students in the disciplines of architecture, engineering, interior design, and landscape architecture.

For more information contact the instructors: stach@utk.edu, jrose18@utk.edu or visit the website <http://utzero.utk.edu>

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