CAPSTONE COURSE FOR SENIORS.

Civil Engineering Design I and II is a two-part capstone course within the Civil Engineering Department at Johns Hopkins University that explores the inherent role of precedent and existing constructions as a vehicle for new design—a synthesis of the built past and the envisioned future, of analysis and design.

THE TALIESIN PROJECT.

The two campuses of the Taliesin Frank Lloyd Wright School of Architecture were the focus of our investigations and designs this year, serving as the inspirational context for the course. The fall semester focused on the Spring Green, WI campus while the spring semester shifted to Scottsdale, AZ. The students visited both sites during the respective JHU semesters. The equally inspiring yet sharply contrasting sites, allow students to explore the nature of building in distinct environments, how building material selection and exterior envelope assembly mediate the boundaries between our constructed spaces, the landscape, and changing climate.

THE TEAM PROJECTS

Four teams of students will present projects at both sites. Each team takes on a different theme for the renovation and new designs for Taliesin’s Midway Barn while they all develop rehabilitation plans for the Student Lounge in the desert landscape of Taliesin West.

1. East – Midway Barn at Taliesin
2. East – Studio
3. West – Taliesin West
4. West – Solar Field