COLLEGE OF ARCHITECTURE. SPRING SEMESTER 2016

Course Syllabus/Organization

“Moving toward a self-powered built environment using mainly wind”

- Course structure:
  The studio will begin with an intensive research phase lasting about 3 weeks. It will continue at reduced intensity during the semester and conclude with the submission of a compendium of research materials to be handed in with the final project at the end of the semester. The compendium should be systematically assembled as the research progresses in a 3 ring, type ‘D’ folder (not type ‘C’). Also, a separate same type of folder should be maintained for design development notes.

  At the end of the initial 3 week research phase, students should have enough basic knowledge about the subject field to begin design work. This will be carried out by each student in cooperation with Professor Land. At appropriate times during the semester the design development work will be collectively reviewed by Professor Land.

  The final submission should be an elegant proposal with sufficient high quality drawings to explain the concept and key details. Final graphic requirements will be issued near the end of the semester.

- Course Number: Studio 419, 6 credit hours
- Class days: Monday, Wednesday, and Friday afternoons, beginning promptly at 2:00pm.
- Contact information: Professor Peter Land
  - Office: 212 – 3410 Building / Studio: 107 – 3410 Building
  - Tel: 312-567-7131
  - Email: land@iit.edu
- Books: to be announced (TBA)
- Tutorial Sessions: TBA
- Hand-in dates for final project and studio compendium: TBA
- Course grading: as established by IIT and assigned by Professor Land.
- Attendance policy and absences: as established by IIT.
- Due dates and late work policy: announced as work proceeds.
- Grading: the final end of semester grade will be determined by the overall quality of each studio project and the research compendium. It will take into account class attendance record.
- Advising times: TBA
Our design objective is to develop proposals for experimental buildings and structures which are shaped to accelerate wind flow to drive turbine rotors to generate electrical energy for users of a building.

The studio will begin with a research phase of about three weeks to study and document international built and theoretical examples of building structures and ideas before beginning any design work. I will work closely with each student on the design development work.

Emphasis will be placed on sustainability and natural systems, and elegant structures. This semester will work on high-rise structures. Students should have good modeling skills including Rhino and be enthusiastic about technology for information and technology for inspiration! As with much research based design work, buildings are shaped as the projects evolve and concepts emerge.

Students may consult Professor Land in his office: 3410 State building, 2nd floor. Telephone 3125677131; Email: land@iit.edu.