Course Title: Architecture 3102 Third Year Studio Spring 2016
Class Meetings: Monday, Wednesday and Friday: 2:00-5:30 pm (5 credit hours)
Prerequisites: Third Year Standing & Completion of ARCH 3101

Premise: The spring studio continues to build on the investigations from the previous fall semester of materials and structure by introducing and incorporating into the discussions issues of site, environmental principles and the building envelope.

*It is not a question of air conditioning versus sea breezes, or fluorescent tubes versus the sun. It is rather the necessity for integrating the two at the highest possible level.*

James Marston Fitch
*American Building The Environmental Forces that Shape It, 1972*

Description: The spring semester third year studio will build on the previous five semesters of study and introduce the students to the knowledge fundamental to the development and the realization of architectural space and form through investigations of, and a focus on, integrating the environmental principles of sun, wind & light into their design process. The design project will be broken into discreet parts in order to focus on site, program/use, enclosure and environmental systems. The first portion of the semester the students will work as teams in order to take advantage of the dialog between team members as well as provide an opportunity to develop a more detailed and thoughtful response to the design prompts issued by the instructors. Each initial sketch project will focus on a specific issue related to the systems of the building from environmental control, the program and the envelope.

The semester will conclude with a design brief of a moderately sized, multi story building which asks the students to examine, organize and synthesize the primary design themes of the semester as well the previous five semesters of their education. The final presentation of the project will not attempt to be comprehensive but rather focus in detail on a particular aspect/portion of the overall schematic design proposal and how building materials/assembly, structural systems, environmental systems and envelope/enclosure become integrated into a building design proposal.

Objectives: The studio intends to develop a basic understanding of environmental principles, structural principles and human occupation that will permit the student to actively integrate these issues early on into their own architectural design process and design projects. After completion of the studio a student should be able to:

• Demonstrate an understanding of schematic design procedures for systems of human, environmental, and structural order within the building.

• Demonstrate the ability to respond to natural/environmental/climatic characteristics in the development of an architectural project.

Evaluation: A student’s final grade will be a weighted average of the grades received for each phase of the semester long design project.

• Project 1, 2 & 3 (each 10% for a total of 30%)

• Initial Concept & Precedent Study for Final Project (5%)

• Final Design Project (this will be broken down into different parts 50%)

• Participation, Contribution to Studio, Daily Pinups/Discussions & Development (5%)

• Portfolio (10%)

Required Texts: The following will provide a good references for the issues you will encounter in studio: