ARCH 495/595: DAYLIGHTING

INSTRUCTOR: Virginia Cartwright
TIME: 16:00 pm - 17:20 pm Tu Th
PLACE: TBA
FORMAT: Seminar: discussions based on readings, projects, and lectures
CREDIT: 3 credit hours + 1**
CRN: 37185/37186
PREREQUISITES: ARCH 492/592

COURSE OBJECTIVES: The objective of this course is for each student to acquire an understanding of the role that daylight can play in architecture, and an ability to manipulate light in the design of architectural space. Specifically each student, as part of a design team, will develop strategies for toplighting and sidelighting that both concentrate the light in the space and distribute light in the space. Critical to this is developing an understanding of light as an integral and powerful part of architecture to be considered from the initial conceptual stages of the design process to the selection of color and texture.

COURSE VEHICLES: This course is a seminar, which depends on student participation. The focus of the course is the use of daylight as a design element. Both qualitative and quantitative aspects of daylight will be explored. To this end, a number of readings, projects and illustrated presentations will be employed. Most of the projects will be physical models. Presentation of these will be through the model itself and through digital images of the models. Access to a digital SLR camera will be essential for the class. The final project for this class will be the presentation of the sequence of design projects that were developed during the term.

Students will work in teams of two on all the projects.

TEXTS: There will be no official text, but there will be readings from journals and reserve books

INSTRUCTOR COMMENT: Craft and clarity of intention will be considered in assessing student work during the term. Active exploration is critical to learning the material to be presented in this course, as is to be expected for any aspect of design. For this reason, participation will be required and will be considered in establishing grades for the course.