

**Number & Title of Course:**

ARC 6365 Advanced Design B (6 Credit Hours)

**Course Description (limit 25 words):** The course will prompt students to investigate the interaction between user requirements, urban context, environmental factors, and design intentions in the development of design solutions for projects of medium-to-large scale size and complexity.

**Course Goals & Objectives (list):**

- As part of the user requirements, students will investigate the phenomenological perception of the occupied space.
- Students will design building systems such as circulation, structure, space zoning, and environmental control systems at the interface between interior and exterior.
- Students will learn to confront an assignment of programmatic complexity.
- Students will explore all forms of visual communication with a particular emphasis on physical and digital modeling and on orthographic drawings.
- Students develop their oral presentation skills.

**Student Performance Criterion / addressed (list number and title):**Ability:

A.1, Prof Communication; A.2, Design Thinking skills; A.3, Investigative Skills, A.4, Arch Design Skills; A.6 Use of Precedents;  
B.1, Pre-Design; B.2, Site Design; B.3, Codes and Regulations; B.4 Technical Documentation;  
B.5, Structural systems

C.2 Integrated Evaluations and Decision Making Design Process; C.3, Integrated Design;

Understanding:

B.6, Environmental Systems; B.7, Building envelope Systems; B.8, Building Materials and Assemblies  
C.1, Research

**Topical Outline (include percentage of time in course spent in each subject area):**

As all design studios, assignments require the seamless synthesis of design skills. Projects are evaluated for their design innovation, level and quality of craft, effort and improvement, work ethics, and in the creative advancements of the profession.

Pre-Design/Programming/Site: 10%

Precedent Study and Analysis: 5%

Design and Documentation: 75%

Presentation: 5%

**Prerequisites:**

Core Design 1, 2 & 3; Materials & Methods; Structures 1 & 2; History 1 & 2; Theory

**Textbooks/Learning Resources:**

By individual faculty

**Offered (semester and year):**

Fall only; annually

**Faculty assigned (list all faculty assigned during the two academic years prior to the visit):**

Dan Powers, Michael Halfants, Nancy Sanders, Josue Robles, Stan Russell, Mark Weston, Levent Kara, Kristien Ring (all F/T)