**ARCH 606: Architectural Design II**. 6 Credits

**Course Description:** Application of verbal, graphic, research, critical thinking and fundamental design skills to architectural projects that emphasize the integration of structural, environmental, life safety, building envelope systems, and building service systems; includes code compliance,

resource conservation, cost control and economic analysis.

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

* Ability to demonstrate design thinking skills to develop a program describing client and user needs, inventory of space, fixture, furniture and equipment (FF&E) required, and the applicable regulatory framework governing the project.
* Ability to produce the technical documents and models demonstrating an understanding of the Architectural professionals responsibility to life safety, accessibility, site conditions, structural and mechanical systems, and outline specifications.
* Ability to demonstrate initiative, curiosity, discipline and integrity throughout the design process.

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

* **A.4. Technical Documentation:** Ability to make technically clear drawings, write outline specifications, and prepare models illustrating and identifying the assembly of materials, systems, and components appropriate for a building design.
* **B. 1. Pre-Design:** Ability to prepare a comprehensive program for an architectural project, such as preparing an assessment of client and user needs, an inventory of space and equipment requirements, an analysis of site conditions (including existing buildings), a review of the relevant laws and standards and assessment of their implications for the project, and a definition of site selection and design assessment criteria.
* **B. 2. Accessibility:** Ability to design sites, facilities, and systems to provide independent and integrated use by individuals with physical (including mobility), sensory, and cognitive disabilities.
* **B. 5. Life Safety:** Ability to apply the basic principles of life-safety systems with an emphasis on egress.

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

20% Problem seeking/stating: establishing client needs for FF&E and space inventory, critical space adjacencies, regulatory framework and production of program document.

15% Site selection, analysis, criteria development for site choice and design evaluation

25% Development of a design proposal in response to program, site conclusions and design criteria.

25% Technical Documentation of the design proposal (including outline specification, egress system, accessibility systems, structure & environmental systems.

15% Spoken presentation and written report (design prospectus…how and why)

**Prerequisites:** Prerequisite: ARCH 605.

**Textbooks/Learning Resources:**

* Steinfield, E., Maisel, J. (2012). Universal Design: Creating Inclusive Environments. New York, Wiley Press.
* Pena, W., Parshall, S. (2001). Problem Seeking: An Architectural Programming Primer. New York. Wiley Press.
* LaGro, J. (2007) Site Analysis: A Contextual Approach to Sustainable Land Planning and Site Design. New York, Wiley Press.

**Offered (semester and year):** Fall Semester 2008, 2009, 2010, 2011, 2012

**Faculty assigned (list all faculty assigned to teach the course during the two academic years prior to the visit and whether each was F/T, P/T, or adjunct):**

* Spring 2012: Michael OBrien (F/T), Daniel Hamilton (F/T), John Babe (F/T), Marcel Erminy (F/T)
* Spring 2011: Michael OBrien (F/T), Daniel Hamilton (F/T), John Babe (F/T), Marcel Erminy (F/T)