**ARCH 605: Architectural Design 1**. 6 Credits

**Course Description:** Application of verbal, graphic, research, critical thinking and fundamental design skills to architectural projects that emphasize design theory, systems of ordering, use of precedents, site and contextual issues.

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

* Increased ability to integrate architectural design with usable outdoor space and surrounding context;
* Improved understanding of how to research and design for specific environment‐behavior interactions.
* Improved skills in communicating concepts with drawing annotations, written and oral presentations;
* Improved visual communication techniques, including digital renderings;
* Effective self‐organization, teamwork, and time‐management skills.

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

* **A. 3. Visual Communication Skills:** Ability to use appropriate representational media, such as traditional graphic and digital technology skills, to convey essential formal elements at each stage of the programming and design process
* **A. 6. Fundamental Design Skills:** *Ability to effectively use basic architectural and environmental principles* in design.
* **A. 7. Use of Precedents:** Ability to examine and comprehend the fundamental principles present in relevant precedents and to make choices regarding the incorporation of such principles into architecture and urban design projects.
* **A. 8.** **Ordering Systems Skills:** Understanding of the fundamentals of both natural and formal ordering systems and the capacity of each to inform two- and three-dimensional design.
* **B. 3.** **Sustainability:** Ability to design projects that optimize, conserve, or reuse natural and built resources, provide healthful environments for occupants/users, and reduce the environmental impacts of building construction and operations on future generations through means such as carbon-neutral design, bioclimatic design, and energy efficiency.
* **B. 4.** **Site Design:** Ability to respond to site characteristics such as soil, topography, vegetation, and watershed in the development of a project design.
* **C. 1.** **Collaboration:** Ability to work in collaboration with others and in multidisciplinary teams to successfully complete design projects.

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

10% Warmup charrette (Collaboration)

21% Research and Programming (including Precedent studies)

14% Site Selection and Analysis (soil, topography, vegetation, site water)

30% Design and Development (Fundamental Design & Ordering Systems, Sustainability & Site)

25% Presentation Design and Production

**Prerequisites:** Graduate classification in architecture or approval of instructor

**Textbooks/Learning Resources:**

“The Green Studio Handbook” by Kwok and Grondzik, ISBN 0750680229, first or second edition, new or used.
“The Architects Studio Companion” by Allen and Iano, ISBN 0470641916 third, fourth or fifth edition, new or used.
“Site Planning” by Kevin Lynch, ISBN 9780262120500 any edition, new or used.

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

**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):**

* Fall 2012: Jonathan Odom (P/T), Susan Rodiek (F/T), Phillip Tabb (F/T), Robert Warden (F/T)
* Fall 2011: Robert Warden (F/T), Mardelle Shepley (F/T), Jose Esquivel (F/T)