Credits: 6
Type of Course: Design Studio
Instructors:
   Deborah Oakley R.A., P.E.
   Office: ARC 227 Ph: 895-4246 E-mail: deborah.oakley@unlv.edu
   Office Hours: T, Th 10:00-11:30
   Janet White, PhD
   Office: ARC 225 Ph: 895-4431 E-mail: janet.white@unlv.edu
   Office Hours: M, W 10-12:00 T 1:30-3:30

Prerequisites: AAE 380
Time & Location: M/W/F 1:00 PM – 5:00 PM ARC 249 & ARC 250
Course Description:
   Intermediate studies in architectural design, exploring the relationships between
   various programmatic models, normative building types, and technological themes
   in specific physical, urban, and cultural contexts.

Learning Objectives:
   1. Students will be able to make verbal presentations that precisely describe design objectives
      and approaches.
   2. Students will be able to integrate structural and construction technology knowledge
      into design.
   3. Students will be able to develop conceptual form options.
   4. Students will be able to design in conformance with ADA requirements.
   5. Students will be able to analyze and communicate graphically site conditions, including
      physical and social context, geography, climate, etc.

NAAB Criteria:
   A. 1. Communication Skills: Ability to read, write, speak and listen effectively.
   A. 2. Design Thinking Skills: Ability to raise clear and precise questions, use abstract ideas
      to interpret information, consider diverse points of view, reach well-reasoned conclusions,
      and test alternative outcomes against relevant criteria and standards.
   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.5. Investigative Skills: Ability to gather, assess, record, apply, and comparatively evaluate relevant information within architectural coursework and design processes.

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.10. Building Envelope Systems: Understanding of the basic principles involved in the appropriate application of building envelope systems and associated assemblies relative to fundamental performance, aesthetics, moisture transfer, durability, and energy and material resources.

B.12. Building Materials and Assemblies: Understanding of the basic principles utilized in the appropriate selection of construction materials, products, components, and assemblies, based on their inherent characteristics and performance, including their environmental impact and reuse.

In addition, the course reinforces the following NAAB Criteria:

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.

C.1. Collaboration: Ability to work in collaboration with others and in multi-disciplinary teams to successfully complete design projects.

NAAB defines “Ability” to mean: “Proficiency in using specific information to accomplish a task, correctly selecting the appropriate information, and accurately applying it to the solution of a specific problem, while also distinguishing the effects of its implementation.”

More information regarding the 2009 NAAB Conditions of Accreditation and the Student Performance Criteria may be gathered by going to the NAAB website at www.naab.org.

In addition to the successful completion of project submittals, each student must, before a final grade will be issued by the Instructor, prepare and submit a final portfolio documenting all projects completed during the semester. The final portfolio shall be submitted in both hard copy and digital electronic format. For each semester project, include relevant developmental progress work (drawings and models) that illustrate the growth of ideas over the duration of the project. Any model that is an integral part of a final presentation shall be photographed and included in the portfolio. The hard copy portfolio shall be a bound document. No
stapled or un-bound portfolios will be accepted. Final details will be provided by each section Instructor.

**Evaluation:**
Your grade for this course will be determined by the number of points earned for each project. The combined possible points for all projects will not exceed 100. The total possible points for each project will be announced prior to the completion of the project. The standard University grading scale will be used (see Part II of this Syllabus, “The Rules”).

**Calendar:**
Important project milestone dates are as follow:

- Wednesday, February 1: Begin Project 1
- Friday, February 6: Project 1 Review
- Monday, February 9: Begin three week site and precedent project
- Monday, March 2: Site and precedent project review
- Wednesday, March 4: Begin Project 2
- Friday, March 27: Project 2 Mid-Crit
- Thu. May 7 & Fri. May 8: Final Semester Review (held at UNLV Downtown Design Center)
- Friday, May 15: Final semester portfolios due

Additional intermediate reviews will be held at the discretion of your Instructor. Refer to individual project statements for schedule of intermediate presentations.

The following holidays will be observed:
- January 19th: Martin Luther King Day
- February 16th: Presidents’ Day
- March 30th-April 4th: Spring Break

**UNLV/SoA Policies:** All UNLV policies as set out in the Undergraduate Catalog and all School of Architecture policies as set out in the SOA Student Handbook are in effect for this course. A summary of certain particularly significant sections of these publications, entitled “Syllabus Part II: The Rules,” can be found under AAE 382 Arch Design II at [http://faculty.unlv.edu/jwhite](http://faculty.unlv.edu/jwhite). Students are required to familiarize themselves with this document and to submit to their instructor, by the end of the first week of classes, a signed statement that they have read it. (A page with this statement, which can be printed out and signed, appears at the end of “The Rules” at the above URL.)

**Recommended Texts:**
- Landscape Graphics. Grant Reid, ASLA. (SB472.47.R45 2002)
Cradle to cradle: Remaking The Way We Make Things. William McDonough and Michael Braungart ( TD794.5 .M395 2002 )
Drawing and Designing With Confidence – A Step-By-Step Guide. Mike W. Lin, ASLA (NA2708 .L56 1993)