



## ARC2210 Studio II

# The Art & Science of Sustainable Residential Architecture

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: <https://catalog.uvu.edu/>

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**Semester:** Spring

**Year:** 2025

**Course Prefix:** ARC

**Course and Section #:** 2210-001

**Course Title:** Architecture Studio II

**Credits:** 4

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### *Course Description*

Exposes students to architectural site analysis and the process of evaluating a particular locations physical, historical, and cultural characteristics to inform design. Develops a building project of significant merit by measuring and documenting a selected site. Analyzes the complex elements of a site such as varying topography, watercourses, vegetation, habitats, weather patterns, and historical data to guide design decisions. Researches elements to determine the building placement, orientation, form and material selection.

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### *Course Attributes*

This course has the following attributes:

- General Education Requirements
- Global/Intercultural Graduation Requirements
- Writing Enriched Graduation Requirements
- Discipline Core Requirements in Program
- Elective Core Requirements in Program
- Open Elective

Other: *Click here to enter text.*

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### *Instructor Information*

**Instructor Name:** Benjamin Felix

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### *Student Learning Outcomes*

1	Analyze site conditions using appropriate design principles
2	Research historical and local precedent of architectural works
3	Illustrate the role and effects of scale on humans, the building, the site, and the neighborhood
4	Evaluate the effects of material choice and quality craftsmanship on the built environment

5 Represent architectural ideas in various forms of media, including pencil, ink, freehand drawing, physical models, and hand rendering.

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## Course Materials and Texts

- Cusato, Marianne. *Get Your House Right: Architectural Elements to Use & Avoid*. New York: Sterling, 2007.
- Kolbert, D., Mottram, E., Maines, M., & Briley, C. (2022). *Pretty good house: A guide to creating better homes*. The Taunton Press. 2022
- Ware, William R. *The American Vignola: A Guide to the Making of Classical Architecture*. New York: Dover, 1994.

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## Course Requirements

### Course Assignments, Assessments, and Grading Policy

<b>GENERAL</b>	<b>250pts (25%)</b>
Attendance / Participation	100 pts
Quizzes from Readings / Videos	100 pts
ICAA/UVU Classical Architecture Lecture Series	30 pts
Additional Assignments	20 pts
<b>PROJECT 01: Single Family Home</b>	<b>300pts (30%)</b>
Part A – Proportion Exercises	15
Part B – Precedent Research and Drawings	40
Part C – Zoning and site analysis	20
Part D – Program Bubble Diagram	20
Part E – House Design – Esquisse	30
Part F – House Design – Refinements	50
Part G – House Design – Final Presentation	125
<b>PROJECT 02: Urban Infill Townhouse</b>	<b>50pts (5%)</b>
<b>PROJECT 03: Estate Home with Gardens and Farm</b>	<b>400pts (40%)</b>
Part A – Site Analysis	50
Part B – Precedent Analysis	50
Part C – Building Design – Esquisse	50
Part D – Interior Space	50
Part E – Building Design – Refinements	75
Part F – Building Design – Final Presentation	125
<b>TOTAL</b>	<b>1000 pts (100%)</b>

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## Required or Recommended Reading Assignments

- Cusato, Marianne. *Get Your House Right: Architectural Elements to Use & Avoid*. New York: Sterling, 2007.
- Kolbert, D., Mottram, E., Maines, M., & Briley, C. (2022). *Pretty good house: A guide to creating better homes*. The Taunton Press. 2022

- Ware, William R. *The American Vignola: A Guide to the Making of Classical Architecture*. New York: Dover, 1994.
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### **General Description of the Subject Matter of Each Lecture or Discussion**

- Precedent, American House Styles, and Zoning
  - Site visit and sketching
  - Proportion in Design
  - Programming and Plan Diagrams
  - Zoning
  - Esquisse
  - Refinements
  - Building Elements
  - Final Presentation
  - Architectural Space
  - Site Analysis and Reconciling Opposites
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### ***Required Course Syllabus Statements***

#### **Generative AI**

To ensure that the work produced in the architectural design studio is rooted in individual creativity, critical thinking, and the development of fundamental design skills, the use of artificial intelligence (AI) tools in any capacity is strictly prohibited.

This policy reflects the studio's commitment to fostering a hands-on, authentic learning environment where students develop the essential skills required for professional practice, including critical thinking and problem-solving skills, and a personal design philosophy. The reliance on AI tools undermines these goals by bypassing the creative process, which is a cornerstone of architectural education and practice.

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#### **Using Remote Testing Software**

This course does not use remote testing software.

This course uses remote testing software. Remote test-takers may choose their remote testing locations. Please note, however, that the testing software used for this may conduct a brief scan of remote test-takers' immediate surroundings, may require use of a webcam while taking an exam, may require the microphone be on while taking an exam, or may require other practices to confirm academic honesty. Test-takers therefore shall have no expectation of privacy in their test-taking location during, or immediately preceding, remote testing. If a student strongly objects to using test-taking software, the student should contact the instructor at the beginning of the semester to determine whether alternative testing arrangements are feasible. Alternatives are not guaranteed.

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### ***Required University Syllabus Statements***

#### **Accommodations/Students with Disabilities**

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at [accessibilityservices@uvu.edu](mailto:accessibilityservices@uvu.edu) or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

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Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at [DHHservices@uvu.edu](mailto:DHHservices@uvu.edu)

DHH is located on the Orem Campus in BA 112.

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### **Academic Integrity**

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: Student Code of Conduct](#).

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### **Equity and Title IX**

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – [TitleIX@uvu.edu](mailto:TitleIX@uvu.edu) – 800 W University Pkwy, Orem, 84058, Suite BA 203.

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### **Religious Accommodation**

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at [accessibilityservices@uvu.edu](mailto:accessibilityservices@uvu.edu). If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.