# UVU UTAH VALLEY UNIVERSITY™

# EGDT 1720 – Architectural Rendering

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

**Semester:** Spring
**Course Prefix:** EGDT 1720
**Course Title:** Architectural Rendering

**Year:** 2025
**Course and Section #:** 001
**Credits:** 3

## Course Description

Discusses how Architectural Rendering plays an important role in the way we view and present the world around us. Includes: elements in the physical and natural world, as well as the influences human cultures have on our society through the construction of buildings, structures, and other works of man. Introduces the necessary skills and practices required in architectural rendering theory and presentation. Develops skills in perspective, layout, shading, color theory and presentations of interior and exterior architectural rendering projects.

## 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.*

## Instructor Information

**Instructor Name:** John Montoya

## Student Learning Outcomes

By the end of the course, students will be able to:
o Hand draft architectural orthographic drawings.
o Develop 1-point and 2-point perspective views.
o Apply shade and shadow to architectural drawings.
o Complete measured drawings.
o Render architectural drawings with pen and watercolor.
o Complete accurate on-site sketches of the built environment.

## Course Materials and Texts

**Required Supplies and Materials**
o Sketchbook, spiral bound, new 8.5"x11"

- o   Lead Holder and 4H or 6H Lead (2 mm)
- o   White Stadtler-Mars eraser or equivalent
- o   Factis mechanical eraser or equivalent
- o   Compass
- o   Drafting tape or drafting dots
- o   Triangular architect's scale
- o   Adjustable triangle
- o   Circle template
- o   Waterproof drawing pens of varying pen tip thickness, including 0.005, 0.01, 0.03, 0.05 (Sakura Pigma Micron or equivalent)
- o   Watercolor Supplies (do not buy these until later in the semester after instructor has gone over them – Typically Week 8)
  - o   Light to heavy duty stapler
  - o   ¼" – ½" staples
  - o   3 sheet of 22"x30" Arches 140 lb. Natural White, Cold Press Paper
  - o   Large brush for wetting paper
  - o   24"x36" (minimum) Plywood board
  - o   Watercolor brushes – min. two different sized brushes: #6 and #10 or similar + one cheap brush for mixing washes
  - o   Watercolor jars or lidded cups
  - o   Watercolor tubes – minimum: Lamp Black, Windsor Blue (Red shade), Yellow Ochre, Alizarin Crimson, and Sepia. Additional colors may include Burnt Umber, Ultramarine blue, Light Red.

**Required Digital Tools and Software**
- o   Laptop or desktop computer capable of submitting assignments.
- o   Thumbdrive for digital portfolio submissions
- o   Scanner to scan color PDFs of projects and homework
- o   Camera (high quality - mobile phone, digital)

## *Course Requirements*

**Course Assignments, Assessments, and Grading Policy**

**Classroom Policies**

- o   **COMMUNICATION –** Throughout the semester the instructor may contact students via email and/or Canvas. It is your responsibility to check both Canvas and your UVU email regularly and ensure your inbox is not full. Your instructor will maintain an open door policy if you need additional assistance beyond class hours. You can contact your instructor to make an appointment.
- o   **ATTENDANCE** – Attendance is critical for success in the class and will be factored into the final course grade. Class will start promptly at the time listed. I will call roll at the beginning of class. **Arriving more than 20 minutes late will be considered an unexcused absence.**
- o   **ABSENCES** – Attendance and participation points will be lost for every unexcused absence. Examples of excused absences include a death or birth in the family, student illness, and collegiate athletic responsibilities. Appropriate documentation must be provided for an absence to be excused. **If you accumulate three or more unexcused absences, your grade will be reduced a full letter grade.  Five or more unexcused absences will result in failing the class.**

- READINGS – Assigned course readings are to be completed prior to the date of the lecture that they are assigned in the syllabus.
- QUIZZES – Short pop quizzes may be given at the beginning of a lecture and will be based on the prior lecture and readings.
- ASSIGNMENTS – Details for each assignment will be handed out (or posted on Canvas) and reviewed together in class. Projects and assignments must be turned in no later than the time specified in the syllabus or on Canvas to receive full credit. You are responsible for meeting all deadlines. ==**Late assignments may ONLY receive up to half credit.**==
- FIELD TRIPS – It is the University and Department's policy that in no case shall a student drive to or from an assigned field trip without proper auto insurance. Students should make every effort to carpool to all field trips since parking may be difficult and limited.
- STUDIO CULTURE POLICY – See document "Learning and Teaching Culture Agreement" on Canvas.
- FOOD AND DRINKS – Absolutely NO eating or drinking is allowed in the classroom. Too many computers and projects have been ruined due to food and drink related incidents.
- ONLINE ETTIQUETE – In case of online classes, please keep your camera on during class but mute your audio unless you have a comment. Silence your cell phones and other electronic devices. During class time cell phones, text messaging, email, and other electronic forms of communication not related to the class are NOT permitted. If you have an urgent call that you absolutely must take, please leave the room to do so.

**Assessment**

The weight of each of the projects and assignments is subject to minor changes throughout the course depending on circumstances, but will generally be broken down as follows:

| | | |
|---|---|---|
| *GENERAL* | | *15%* |
| Attendance / Participation / In-class assignments | | 100 pts |
| Obtain Required Materials | | 10 pts |
| Quizzes | | 40 pts |
| | | |
| *EXERCISES* | | *23.5%* |
| Exercise #1 – Sketch | | 10 pts |
| Exercise #2 – Drafted Floor Plan | | 25 pts |
| Exercise #3 – Drafted Elevation | | 25 pts |
| Exercise #4 – Drafted Section | | 25 pts |
| Exercise #5 – Interior Perspective | | 25 pts |
| Exercise #6 – Exterior Perspective | | 25 pts |
| Exercise #7 – Shade and Shadow | | 25 pts |
| Exercise #8 –Measured Drawing | | 25 pts |
| Exercise #9 – Revit Model | | 25 pts |
| Exercise #10 – Traced Perspective | | 25 pts |
| | | |
| *SKETCHBOOK* | | *14%* |
| | | 140 pts |
| | | |
| *PROJECT 01: Watercolor Rendered Orthographics* | | *20%* |
| | | 200 pts |
| | | |
| *PROJECT 02: Rendered Measured Drawing* | | *7.5%* |
| | | 75 pts |
| | | |
| *PROJECT 03: Elevation Rendering* | | *20%* |
| | | 200 pts |
| **TOTAL** | | **100%** |

**Grading Scale**

| | | | | |
|---|---|---|---|---|
| A | 95% to 100% | C | 73% to 76% |
| A- | 90% to 94% | C- | 70% to 72% |
| B+ | 87% to 89% | D+ | 67% to 69% |
| B | 83% to 86% | D | 60% to 66% |
| B- | 80% to 82% | D- | 55% to 59% |
| C+ | 77% to 79% | E | 00% to 54% |

**Required or Recommended Reading Assignments**
N/A

**General Description of the Subject Matter of Each Lecture or Discussion**
- *Introduction to Architectural Rendering*
  - Basics of orthographics and perspective drawings, hand drafting, and other methods of rendering.
- *Sketching Demonstration*

- o Basics of how to lay out and execute a perspective sketch
- o *Hand Drafting Demonstration*
  - o How to use hand drafting tools to draft a floor plan, elevation, and section drawing.
- o *Perspective Demonstration*
  - o How to construct accurate 1-point and 2-point perspectives from orthographic drawings.
- o *Shade and Shadow*
  - o Basics of how to determine and delineate the regions of shade and shadow in an architectural drawing.
- o *Monochromatic Watercolor Rendering*
  - o How to wash render architectural drawings in monochromatic watercolor.
- o *Measured Drawing*
  - o How to complete a measured drawing.
- o *Revit Basics*
  - o How to use Revit as a supplementary tool for creating hand renderings.
- o *Chromatic Watercolor Rendering*
  - o How to wash render architectural drawings in chromatic watercolor.

## *Required Course Syllabus Statements*

**Generative AI**
All coursework will be completed by hand. Using generative AI to assist in any assignment is prohibited.

**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.

## *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](#) or 801-863-8747.

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

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

DHH is located on the Orem Campus in BA 112.

## 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.*

## 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 – 800 W University Pkwy, Orem, 84058, Suite BA 203.

## 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. 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.