



## EGDT 1100 Course Syllabus

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

003

**Course Prefix:** EGDT

**Course and Section #:** 1100-~~002~~

**Course Title:** Architectural Drafting

**Credits:** 3

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### ***Course Description***

Covers procedures used in developing a complete set of architectural residential plans. Includes architectural drafting standards and code requirements. Reinforces math skills using dimensioning and estimating exercises. Utilizes lectures and text reading assignments with related worksheets and drawings.

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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:** Robert Price

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### ***Student Learning Outcomes***

Upon successful completion of this course, students will be able to:

Produce a set of residential plans which meet established standards and submittal documents.

Apply math theory in estimating material needs and in dimensioning.

Organize building codes and ADA accessibility requirements related to residential design and construction.

Differentiate career options and opportunities in the residential sector of the architecture industry.

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### ***Course Materials and Texts***

Required materials, fees and technology

Textbook: Architectural Drafting and Design, Alan Jefferis (Latest Edition)

Access to a computer, Revit Building Information Modeling Software, and a reliable internet connection

Red pen and two different colored highlighters

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## ***Course Requirements***

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

#### Assignments / Worksheets

Worksheets are set up in a quiz format, with questions coming from corresponding chapters in the textbook. They are open book, and you are not required to read the entire chapter before taking the quiz. A PDF version of the quiz is available to print off and answer the questions as you work through the chapter.

#### Projects and Project Checks

This course is not one where you can work on designing your own home. It focuses on creating the drawings necessary to be able to build a home. The foundational principles learned in this course can then be applied to the majority of residential design projects. You are not at liberty to change the design of the home we are working on. There will be several check-in type assignments or drawing checks to ensure you are progressing through the course toward a finished set of construction documents. These drawing checks must be ready to turn in and review before class the day that they are due. We will be exchanging drawings and "redlining" them to fix any errors.

#### Discussions

Discussions will be forums to ask for and receive help from other students on related course topics. These Students-Helping-Students discussions are optional and ungraded. Be sure to ask your questions early on so there will be time for others to respond.

#### Exams

The midterm and final exams are derived from questions taken from the worksheets. If you take the time on each worksheet to print off the PDF, fill in your answers, and then make corrections, you will have a great resource to study for these exams.

#### Grading Scale:

The following grading standards will be used in this class:

Grade	Percent
A	94-100
A-	90-93
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
E	0-59

### Grading Categories:

Getting Started Assignments and Announcement Quizzes 5%

Assignments / Worksheet Quizzes 15%

Project / Project Checks 70%

Discussions (Optional) Students Helping Students 0%

Exams 10%

### Late Work Statement:

The best way to be successful in this course is to submit all assignments/activities by their due date.

Sticking to a schedule and meeting deadlines is critical in the design and construction industry.

Discussion participation must occur during the current module.

Late work is accepted on most things but is penalized at 10% per day up to a maximum 100% penalty. If you turn in anything more than 10 days late you will not receive any credit. Announcement quizzes, the Midterm Exam, Final Drawing Set, and Final Exam cannot be turned in late for any circumstance.

If a serious unforeseen circumstance arises that may cause more than a couple of days late penalty, contact your instructor as soon as possible. You will be expected to provide appropriate documentation and some of the late penalties may be waived.

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### Required or Recommended Reading Assignments

Selected Chapters from course textbook. See the course schedule.

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### General Description of the Subject Matter of Each Lecture or Discussion

#### Course Schedule

This is an outline of the course assignments by module. Refer to the assignments for specific due dates.

If this course is delivered on a block schedule, expect to cover the material in half the time.

#### Orientation:

Introduce Yourself

Update Profile/Notifications

Get Course Software

Get Course Textbook

Syllabus Quiz

#### Module 1:

Worksheet 1 (Chapter 11 - Exterior Design Factors)

Worksheet 2 (Chapter 9 - Guidelines and Codes That Affect Design)

Worksheet 3 (Chapter 10 - Room Relationships and Sizes)

Supplement 1 (Project Standards)

#### Module 2:

Worksheet 4 (Chapter 16 - Floor Plan Symbols)

Worksheet 5 (Chapter 18 - Floor Plan Layout)

Worksheet 6 (Chapter 26 - Millwork and Cabinet Technology, Cabinet Elevations, and Layout)

Project - Sheet A101: Main Level Floor Plan (Introduction, Levels, Wall Types, and Wall Layout)

Project - Sheet A101: Main Level Floor Plan (Door and Window Sizing and Placement)

Module 3:

Worksheet 7 (Chapter 19 - Electrical Plans)

Worksheet 8 (Chapter 27 - Framing Methods)

Project - Sheet E101: Main Level Electrical Plan (Introduction, Symbols, Placement, and Wiring)

Submit Drawings - Progress Check Sheet A101: Main Level Floor Plan

Module 4:

Worksheet 9 (Chapter 17 - Floor Plan Dimensions and Notes)

Project - Sheet A101: Main Level Floor Plan (Dimensions and Notes)

Project - Sheet E101: Main Level Electrical Plan (Legend)

Module 5:

Worksheet 10 (Chapter 28 - Structural Components of Framed Construction)

Worksheet 11 (Chapter 33 - Foundation Systems)

Submit Drawings - A101, E101, and Revit File

Module 6:

Worksheet 12 (Chapter 34 - Floor Systems and Foundation Support)

Project - Structural Elements and Foundation Systems

Project - Floors and Stairs

Project - Sheet A100: Basement Floor Plan (Introduction and Completion)

Module 7:

Project - Sheet E100: Basement Electrical Plan (Introduction and Completion)

Submit Drawings - A100, E100, and Revit File

Midterm Exam

Module 8:

Worksheet 13 (Chapter 35 - Foundation Plan Layout)

Project - Sheet S100: Footing and Foundation Plan (Introduction, and Bearing Walls)

Module 9:

Worksheet 14 (Chapter 29 - Design Criteria for Structural Loading)

Worksheet 15 (Chapter 30 - Sizing Joists and Rafters Using Span Tables)

Worksheet 16 (Chapter 31 - Determining Beam Sizes)

Project - Sheet S100: Footing and Foundation Plan (Joists, Beams, and Notes)

Module 10:

Worksheet 17 (Chapter 22 - Roof Plan Components)

Worksheet 18 (Chapter 23 - Roof Plan Layout)

Project - Sheet S101: Roof Framing Plan (Trusses, Beams, and Notes)

Module 11:

Worksheet 19 (Chapter 13 - Site Orientation)

Worksheet 20 (Chapter 14 - Legal Descriptions and Site Plan Requirements)

Project - Submit S100 and S101

Module 12:

Worksheet 21 (Chapter 15 - Site Plan Layout)  
Project - Sheet C101: Site Plan (Introduction and Completion)  
Project - Submit C101

Module 13:

Worksheet 22 (Chapter 24 - Introduction to Elevations)  
Worksheet 23 (Chapter 25 - Elevation Layout and Drawing Techniques)  
Project - Sheets A201 & A202: Exterior Elevations (Introduction and Completion)  
Project - Submit A201 and A202

Module 14:

Worksheet 24 (Chapter 36 - Sectioning Basics)  
Worksheet 25 (Chapter 37 - Elevation Layout and Drawing Techniques)  
Worksheet 26 (Chapter 39 - Stair Construction and Layout)  
Project - Sheet A301: Sections (Introduction and Completion)  
Project - Submit A301

Module 15:

Project - Sheet G000: Cover Sheet  
Project - Sheet G001: General Notes  
Project - Submit Completed Drawing Set

Module 16:

Final Exam  
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## ***Required Course Syllabus Statements***

### **Generative AI**

The use of generative AI tools is not permitted in this course.

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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.

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.