

Northwest Arkansas Community College
Business and Computer Information Systems Division

Discipline Code

DRFT

Course Number

2353

Course Title

Residential Construction Drawing

Catalog Description

(Sp) This course introduces students to the criteria and procedures for designing and documenting residential structures. Students will design and document a single-family home and learn the terminologies, codes, materials, and methods of construction for light wood framed dwellings. Emphasis is placed on design procedures, standards, practices and symbols to design and create construction drawings. Prerequisites: DRFT 2234 (may be co-requisite).

Prerequisites

Prerequisite or Corequisite: DRFT 2234

Credit Hours

3 credit hours

Contact hours

45 contact hours

Load hours

3 Load Hours

Semesters Offered

Spring

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

Students will:

- Design and document a single-family home
- Identify and describe the primary considerations of residential design
- Interpret national and local building codes pertaining to residential construction
- Learn about typical materials and systems used on residential structures
- Draw and annotate details typical of residential construction
- Produce a set of code compliant construction documents that include a site plan, floor plans, building sections, roof plan, and details of a wood framed residential project

General Education Outcomes Supported

None

Standard Practices

Topics list

- Programming and Space Requirements
- Schematic Design and Design Considerations
- Framing Methods
- Openings
- Bathrooms
- Kitchens
- Vertical Circulation
- Roofs
- Envelope
- Foundations
- Site and Landscaping
- Construction Documentation and Details

Learning activities

Assessments

- Assignments
- Quizzes
- Final Project

Grading guidelines

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = 0-59%