

Course Description

ARC1128 | Architecture Drawing 2 | 4.00 credits

A simulation of an actual architectural drafting room. The instructor issues preliminary design drawings from which the student prepares working drawings. The problems presented have varied materials and structural systems, differing occupancies, etc., offering a series of new experiences in architectural drawing. Prerequisite: ARC1126.

Course Competencies:

Competency 1:

The student will demonstrate the application of the 2D CAD software by drawing preliminary floor plans, exterior elevations, and building sections when given design sketches

Competency 2:

The student will demonstrate a comprehension of architectural lettering formation and notation by drafting in proper letter proportion and appropriate architectural terms and notes in their correct syntax

Competency 3:

The student will demonstrate evaluation of symbols and notation as used in working drawings by selecting, comparing, valuing, and ultimately choosing symbols and notes to be applied to a specific set of working drawings

Competency 4:

The student will demonstrate synthesis of the organization of a set of working drawings by formulating the type and placement of drawings within the set

Competency 5:

The student will demonstrate synthesis of plan, elevation, and sectional views of working drawings for a residential-type structure by producing a set of 2D CAD drawings of construction plans, elevations, and sections from given preliminary drawings

Competency 6:

The student will evaluate floor and roof framing systems as applied to specific architectural and construction conditions by selecting appropriate materials and selecting appropriate framing methods for the given situation

Competency 7:

The student will demonstrate synthesis of information by designing a schedule, formatting it, collecting information, and lettering it on schedules

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Demonstrate an appreciation for aesthetics and creative activities