Course Competency

ARC 1128 Architecture Drawing 2

Course Description

This course uses AutoCAD 2D to simulate an actual architectural drafting room experience. The instructor issues preliminary design drawings for a small residential project from which the student prepares working drawings including Site Plan, Floor Plans, Sections and Elevations. Students must develop details, doors and window schedules. Prerequisites: ARC 1126C and ARC 2171. (2 hr. lecture 4 hr. lab)

Course Competency	Learning Outcomes
Competency 1: The student will demonstrate application of the 2D CAD software by:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage 5. Aesthetic / Creative Activities
1. 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:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage 5. Aesthetic / Creative Activities
1. 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:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage 5. Aesthetic / Creative Activities

1. 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:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage 5. Aesthetic / Creative Activities
1. 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:	1. Communication 2. Critical thinking 3. Numbers / Data 4. Computer / Technology Usage 5. Aesthetic / Creative Activities
1. 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:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage 5. Aesthetic / Creative Activities
1. Selecting appropriate materials, and selecting appropriate framing methods for the given situation.	
Competency 7: The student will demonstrate synthesis of information by:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage 5. Aesthetic / Creative Activities

1. Designing a schedule, formatting, and collecting information, and lettering information on schedules.	

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