Course Information Form (CIF)

Course Code: CIT 130

Course Title: Construction Plan Fundamentals

Department: Applied Sciences and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 15.1303
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 2-2-3
Credit Hour Distribution:

Lecture: 2	Lab: 2	Clinical: 0	**Total: 3**

General Course Information

Catalog Description

Fundamentals of construction drawing interpretation for buildings, mechanical/electrical/plumbing systems, and site work. Introduction to Bluebeam Revu and Trimble SketchUp.

General Course Objectives

Students will be able to interpret construction drawings and retrieve information for making technical decisions.

Minimum Placement Levels

English	Reading	Math
Placement into ENG 098	Placement into CCS 098	Placement into MAT 059

Prerequisites

None

Methods of Evaluation

At least 10 homework assignments and at least 2 exams.

Instructional Materials and Additional Supplies

Print Reading for Construction, 978-1649259851

Course Content

General Learning Outcomes (GLOs)

- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Sketching	1. Measure existing conditions and create dimensioned sketches of plan, elevation, and section views. 2. Use information gathered from sketches and field measurements to create model(s) in Trimble SketchUp.	4	4	0
Scales and Dimensions	1. Determine distances from drawings using architectural and engineering scales. 2. Create basic scale drawings using appropriate scales.	4	4	0
Drawing Interpretation	1. Retrieve material information and dimensional data from plan, elevation, section, profile, detail, and isometric drawing views. 2. List, describe, and place in order the types of drawings contained in a complete construction plan set. 3. Interpret general notes and special notes from a set of construction plans. 4. Interpret construction details using a combination of drawing views and plan sheets. 5. Apply Bluebeam Revu for iPad software to manage and interpret construction drawings.	22	22	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0