

**Napa Valley Adult Education  
Construction/Trades  
Course Outline**

**Course Title:** Building Plan Reading

**CBEDS Title:** Advanced Residential and Commercial Construction (Capstone)

**CBEDS Number:** 7342

**Grade Level:** Adult

**Course Title:** Building Plan Reading

**1. Goal or purpose**

The goal or purpose of this course:

Students will gain a deeper understanding of the basic components of construction drawings. They will understand how to identify title block, border, drawing area, revision block and legend. They will also review specific details in regard to architectural plans, structural plans, mechanical plans, plumbing plans and electrical plans. They will acquire the skill to understand scale, dimensions, and abbreviations, symbols and key notes.

**2. Performance Objectives:**

Students will be able to:

- A. Demonstrate and understand the basic components of a construction drawing.
- B. Identify the different types of construction drawings
- C. Demonstrate their understanding of scale and dimensions and abbreviation symbols and keynotes in a construction drawings

**3. Instructional Strategies:**

- Instructor presentation and demonstration
- Communicative /interactive activities
- Problem Solving
- Project-Based Learning
- Field trips and guest speakers

**4. Time and Content of Instruction:**

The total hours for this course:

= 40 hours

Basic components of construction drawings

Title block, border, drawing area, revision block and legend

Architectural plans and structural plans

Mechanical plans, plumbing plans and electrical plans

Scale, dimensions, and abbreviations

Symbols and key notes

## **5. Evaluation:**

The following means of evaluation will be used:

- Performance assessments
- Scores on quizzes, test and worksheets
- Projects, presentations
- Portfolios
- Student self-assessment

## **6. Repetition:**

Students may with the consent of the instructor, repeat the class until the desired competencies are reached.

## **7. Texts and Materials:**

NCCER Core Curriculum *Introductory Craft Skills* (English and Spanish versions - latest edition).

- *NCCER: Core Curriculum: Introductory Craft Skills, 5th Edition (English and Spanish)*