

**NorthWest Arkansas Community College
Workforce & Economic Development Division
Construction Technology Department Course Outline**

Course Number and Title

CST 2213 CONSTRUCTION METHODS I (F, S)

Catalog Description

This course offers the students an introduction into construction materials and an overview of the methods involved. Key content includes Basic Safety, Introduction to Construction Math, Introduction to Hand Tools, Introduction to Power Tools, Construction Drawings, Basic Rigging, Basic Communication Skills, Basic Employability Skills, and an Introduction to Materials Handling. The second half of the course focuses on basic Carpentry skills and will include hands-on laboratory work involving framing a small structure.

Prerequisite

CST 1313

Credit Hours/Contact Hours/Load Hours

3/3/3

Target Audience / Transferability

This course is designed for students completing the requirements for the two-year NWACC Associate of Applied Science degree in Construction Technology, or experienced construction professionals needing current knowledge.

Student Learning Outcomes

Upon completing this course, the student should be able to:

- An understanding of the basic design, selection and assembly of components in residential construction
- An understanding and general use of construction terminology
- An understanding of construction safety and how to identify and avoid hazards.
- An understanding of construction drawings, specifications, and layout.
- An understanding of the purposes of individuals, companies and agencies involved in the construction process

Topics

- Construction Safety
- Tool Identification and Usage
- Blueprint Reading
- Construction Math
- Floor System Framing
- Wall System Framing
- Roof System Framing
- Door/Window Flashing

Forms of Assessment

Exams that include closed book test and performance tasks as required within NCCER Core and Carpentry I curricula.

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