

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

Course Number and Title

CST 2413 Estimating (F, S)

Catalog Description

This is an introduction to the process of estimating the full cost of construction projects. Topics include contracts, bonds, insurance, specifications, overhead and contingencies, labor, equipment, excavation, concrete, masonry, metals, wood, thermal and moisture protection, doors and windows, finishes, electrical, plumbing, heating, ventilating, air conditioning and profit.

Prerequisite

CST 2213 or CST2223

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. This course can also be useful for construction professionals needing current knowledge. This class will transfer to some universities.

Student Learning Outcomes

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

- Understand the basic skills needed for quantity surveying of the major trades involved in a construction project.
- Remember and understand general estimating terminology.
- Understand the role of an estimator during all phases of a construction project.

Topics

- Construction Methods and Materials
- Compositions and Properties
- Terminology and Units of Measure
- Building Codes and Standards
- Standard Designations, Sizes, and Graduations
- Conformance References and Testing Techniques

Forms of Assessment

Exams covering reliable construction pricing, attendance, and participation in cost estimating exercises.

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