



South Central College

BDET 1120 Estimating Concepts

Course Outcome Summary

Course Information

Description	This course covers principles of quantity takeoffs, identification of symbols, and computation of materials from a set of commercial construction working drawings utilizing the CSI divisions. (Prerequisites: None)
Total Credits	2
Total Hours	48

Types of Instruction

Instruction Type	Credits/Hours
Lecture	
Lab	

Pre/Corequisites

None

Institutional Core Competencies

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Apply an understanding of print reading principles to quantity takeoffs.

Learning Objectives

Demonstrate basic procedures in completing quantity takeoffs.
Define the relationship of prints to estimating.
Extract print specific information for estimating.

2. Read and interpret architectural, MEP and structural blueprints in commercial construction drawings

Learning Objectives

Demonstrate ability to read prints.
Apply an understanding of drawing annotation.
Develop an awareness of the building codes in commercial construction drawings.

3. Demonstrate math skills to effectively complete quantity takeoffs.

Learning Objectives

Apply mathematical concepts.
Use computational skills with the appropriate technology.
Execute mathematical operations with accuracy.

4. Demonstrate an understanding of the CSI format.

Learning Objectives

Define the acronym : CSI.
Utilize the various sections of the CSI Master Format.
Categorize estimate quantity sheets according to the CSI Master Format.

5. Demonstrate organizational skills.

Learning Objectives

Organize quantity takeoffs using the CSI Master Format.
Explain how various construction items are measured in quantity takeoffs.
Define problems related to estimates that are disorganized.

6. Research, access, and apply appropriate informational resources.

Learning Objectives

Demonstrates proficiency in personal computer software programs.
Use technology to creatively solve problems.
Illustrate the ability to seek, find, and utilize appropriate resources.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.