

Los Angeles Valley College
Course Level Student Learning Outcomes (SLO)

Course Name and Number: Cost Analysis and Estimation; EGT 104

Course Objectives: (List the course objectives as they appear in the course outline of record.)

Evaluate the industry methods of cost estimation.

Assess and implement formulas to calculate length, surface, volume and identify quantities with accurate units of measurements per industry standards

Collect and present a check list of cost related issues in managing the construction of a smart, green and sustainable project.

Describe and define how to estimate a "steel frame, concrete, and wood/lumber building.

Analyze the approaches in estimating a project when there are too many unknowns present in the project.

Analyze the estimating methods used to determine "Overhead & Profit" in a project.

Establish 1–2 course level student learning outcomes and indicate how each SLO will be assessed.

Course Level Student Learning Outcome	Assessment Measure
Upon review of the construction documents (Architectural and Structural) foundation plans, and details, student will be able to determine the volume (per cubic yard), cost (per cubic yard), and number of trucks (cost per truck) required to place the concrete per drawings.	Using standard evaluation procedures, such as written, multiple-choice quizzes, the student will be able to assess the volume and cost of concrete, as well as number of mixer trucks required for the project.