

BLDT-114 PRACTICAL COST ESTIMATING 3 CREDITS**SYLLABUS**

CATALOG DESCRIPTION

Learn to accurately estimate material costs on basic building projects. This course includes a laboratory project whereby students estimate the materials needed, construct the project, and then do a follow up on the accuracy of their estimations.

Prerequisites: BLDT 120 Construction Safety

Semester Offered: Fall

COMMON STUDENT LEARNING OUTCOMES

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

COURSE LEARNING OUTCOMES

Upon successful completion of the course, the student will be able to...

1. Demonstrate proficiency in calculating common mathematical equations (i.e.: lineal footage, area and volume).
2. Demonstrate proficiency in calculating common mathematical equations using a construction calculator.

3. Identify proper products and materials needed in completing material take offs.
4. Demonstrate knowledge of the proper sequence within the building process.

GENERAL LEARNING OBJECTIVES

1. To provide the student with the knowledge and training necessary to calculate material costs on a basic building project.