

BLDT-110 BLUEPRINT READING AND DESIGN

2 CREDITS

SYLLABUS

CATALOG DESCRIPTION

Applied theory and practice pertaining to blueprints, design and specifications.

Prerequisites: BLDT 120 Construction Safety

Semester Offered: Fall Only

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. Identify and describe the factors that affect building design, shape, and type.
2. Identify the primary reasons for and how to develop plans.
3. Define the major terms associated with the development of building plans.
4. Identify the required plans needed to obtain a building permit in San Juan County.

5. Describe what specific information is included on each type of plan for a building.
6. Identify the various line types, symbols and abbreviations used in a set of plans.
7. Identify the most commonly used scales when developing a set of plans.
8. Identify the primary rooms (with typical dimensions) to include when developing a floor plan for a residential home.
9. Develop, using the correct scale, an accurate floor plan for a residential home.
10. Demonstrate how to accurately read and interpret a basic set of building plans.

GENERAL LEARNING OBJECTIVES

1. To provide the student with the knowledge to be able to interpret basic floor plans.
2. To provide the student with the training to be able to design basic floor plans.