

## **BLDT-131 STAIR CONSTRUCTION**

1 CREDIT

### **SYLLABUS**

---

#### **CATALOG DESCRIPTION**

Learn to layout and construct basic stairs. Includes building a basic set of stairs.

Prerequisites: BLDT 120 Construction Safety

Semester Offered: Spring

#### ***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 the method of construction used on any stairway.
2. Identify the different parts of a stairway and the purposes of each part.
3. Explain the building code requirements that apply to stairs.
4. Select the proper material for a set of stairs.

5. Calculate the unit rise and unit run for a given set of stairs.
6. Demonstrate how to lay out a cut-stringer stairway.
7. Construct a basic set of stairs.

GENERAL LEARNING OBJECTIVES

1. To provide the student with the basic knowledge and training to be able to build a set of stairs.