

## **BLDT-221 CONSTRUCTION SUPERVISION    6 CREDITS**

### **SYLLABUS**

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#### **CATALOG DESCRIPTION**

This course is offered to degree seeking and advanced building trades students. Students will be instructed in supervision, estimating, construction materials, tools, and equipment used in the construction trade. Also included in the course is an emphasis on time line development.

Prerequisites: BLDT 110-115, 120-131

Semester Offered: Fall and 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 ways to give and receive constructive feedback to employees in the work setting.
2. Identify ways in which students learn and process information differently.
3. Identify different styles of leadership and have an opinion about their preferred style.

A copy of this approved syllabus is on file in the dean's office.  
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4. Identify and maintain attributes of a well-organized, efficient and safe jobsite.
5. Create and complete managerial forms and paperwork, including personnel evaluations.
6. Demonstrate project management by completing material, tool, and fastener inventories.
7. Demonstrate project maintenance by organizing and cleaning the wood shops and job site.
8. Create and maintain a “real-time” schedule of events and activities for a given project.
9. Create a complete set of architectural drawings to include: floor plan, elevations, section plans (footing, foundation, floor, wall, roof), truss plan, and electrical plan
10. Perform a complete project cost analysis, including estimates and bids for materials and subcontractors.

#### GENERAL LEARNING OBJECTIVES

1. To provide the student with the knowledge and experience to supervise others in a construction setting.
2. To provide the student with the knowledge and experience to create and manage a construction project.