

## **SAFT-2110 COMMERCIAL CONSTRUCTION SAFETY PROCESS 2**

### **CREDITS SYLLABUS**

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#### **CATALOG DESCRIPTION**

Course addresses the design for construction safety concept and the impact that designers can have on safety at the construction site. This course covers the processes and tools used to design for safety. A rationale for providing safety incentives, pre-planning, and accident prevention through design.

Prerequisites:

Semester Offered:

#### ***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. Define the Design for Construction Safety and Health (DfCSH) concept
2. Describe examples where DfCSH can have a positive impact on a construction project

3. Incorporate professional ethics in the construction industry
4. Understand the impact of drug testing on the construction industry
5. Explain the impact that incentives have on safety performance
6. Incorporate prevention through design strategies and associated controls for hazard elimination
7. Understand personal protective equipment (PPE) limitations
8. Remove risk through smart design, construction practices, building function, and client needs.
9. Implement effective pre-planning techniques