

## **SAFE-2480 MANAGEMENT OF SAFETY WORK 2 CREDITS**

### **SYLLABUS**

---

#### **CATALOG DESCRIPTION**

Course presents theories and principles of safety regulatory issues and their practical uses in the workplace. This course also addresses designing, developing, and implementing a safety Management system within an organization that will protect people from hazards in the workplace. This course focuses on the knowledge, skills and abilities of a safety professional, and how to manage and work in a global environment. The student will learn about their role and the field of safety engineering work and project management. The student will gain knowledge on their leadership role within the organization and the management of teams to help resolve safety issues.

Prerequisites:

Semester Offered: All

#### **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. Evaluate the reasons for implementing a safety and health management system.
2. Identify the core elements of an effective safety and health management system.
3. Describe the key processes within each program element.
4. Assess managing a safety engineering project.
5. Explain the causes and consequences of incidents.
6. Evaluate management's role in safety and assess the importance.
7. Distinguish the functions of OSHA, MSHA, NIOSH, EPA and other federal agencies that conduct inspections.
8. Assess global issues related to management of safety.
9. Describe the motivation for applying economic analysis to occupational safety, health, and environmental affairs.
10. Summarize the competencies of an effective safety professional including education, experience and certification.
11. Demonstrate understanding of the concepts of safety engineering.
12. Analyze leadership qualities.
13. Identify the costs and benefits when evaluating safety investments.
14. Describe and apply engineering economical concepts.