



SAFE-149 MSHA – New Miner

1 CREDIT

SYLLABUS

CATALOG DESCRIPTION

This course provides training for newly employed and experienced miners. The course will provide students with instruction in the rights of miners and their representatives under the ACT/MSHA book. Students will be introduced to the work environment of mining and the health and safety aspects of the tasks assigned to a miner.

Prerequisites: None

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. Identify mandatory health and safety standards in alignment with MSHA 30 CFR Part 77.

2. Describe transportation controls and communication systems along with sling configurations and rigging requirements for materials handling.
3. Identify proper procedures for escape and emergency action plans, fire warning systems and firefighting methods.
4. Implement first aid and CPR measures.
5. Define hazards associated with a mining environment, including but not limited to walking/working surfaces, fall prevention/protection, respiratory, hearing, equipment, electrical and chemical exposure.
6. Describe proper ways to don and doff respiratory devices.
7. Evaluate the proper care, storage, and handling of explosive devices, flammable and combustible materials and practical application of hot work procedures and permits.
8. Identify accident preventative measures including working in areas of high walls, water hazards, pits and spoil banks, and with illumination and night work.