

LSOP-1110-PRODUCTION FIELD TECH 4010

3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

Students will study producing natural resources (oil and gas), from newly drilled and existing well locations to include: minimum surface equipment operations, wellhead design, common field terminologies, pressure gauges, location and fluid flow layout, proper use of hand tools, and equipment safety devices. Safety will be strictly enforced.

Prerequisites: MATH-095, ENGL-095

Semester Offered: Fall

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. Understand the product flow of a typical location.
2. Draw a surface equipment schematic of the training facility.
3. Calculate berm containment capacity.

A copy of this approved syllabus is on file in the dean's office.

Updated 12/14/18

4. Name three ways you may be asked to use a computer.
5. Name three ways you can demonstrate good communication skills.
6. Explain why fixing a leaking valve right away is important.
7. Explain why a One Call is important and name what information is required when filing a One Call.
8. Name the reserve replacement ratio.
9. Discuss how a lease operator can affect the company's bottom line.
10. Name three types of capital investments a company may make to ensure growth and replace reserves.
11. Identify commonly used tools and discuss their proper applications.
12. Identify commonly used pipe valves and fittings.
13. Explain the difference between absolute and gauge pressure.
14. Explain the 25 – 75 rule and its importance to gauge accuracy.