ENER 240- Reduced Production Rates

1 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This course is designed as a capstone course in which the student will apply the learnings from previous oil and gas industry training courses. The students will be provided with operational, equipment and production issues and then asked to identify the potential causes and remedies for each scenario.

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. Demonstrate their understanding of basic equipment troubleshooting skills.
2. Demonstrate their knowledge of potential causes and remedies of operational and production issues.
3. Create a presentation capturing their scenario conclusions.
4. Communicate their scenario conclusions with the rest of the class Identify procedures that will ensure data integrity in the tertiary devices and subsequent databases.
5. Proactively identify incorrect measurement equipment and processes.

1. Use correct methodology for gas sampling to assure accurate representation of gas stream to maximize revenue and meet regulatory requirements.
2. Identify orifice plate integrity and assure compliance with industry and regulatory standards.