



SYLLABUS

CATALOG DESCRIPTION

This course introduces students, who have little or no knowledge of oil and gas discovery and production, to the basics of the oil and gas industry, focusing on what it takes to get oil and gas from the underground source to the surface. Students will be introduced to basic oil and gas field concepts; the unique language of the oil industry; and the process whereby oil and gas are extracted from thousands of feet underground, and delivered through surface equipment for transfer to wholesaler.

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.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies, information, or resources 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 Assessment website (www.sanjuancollege.edu/assessment).

Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Understand basic terminology related to the oil and gas industry.
2. Identify downhole and surface equipment used in local operations.
3. Understand the relationship between local production and the global industry.
4. Use basic knowledge to embark on lifelong learning about the industry.
5. Apply basic knowledge to daily job function (if employed in the industry).
6. Use information to better understand the oil and gas industry, particularly in the San Juan Basin.
7. Identify oil/gas flow pattern from wellhead to sales.