

ENER-2180-GAS MEASUREMENT WITNESSING 3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

Course presents basic principles of gas measurement with a focus on the witnessing function. Instruction provides students with gas measurement terminology and references to industry standards that promote effective communication regarding witnessing and potential gas measurement issues. By understanding gas measurement witnessing techniques and responsibilities, students will be able to perform basic gas meter and gas sampling witnessing functions.

Prerequisites: Must have completed 80% of ENGY Certificate requirements

Semester Offered: Spring, Summer, 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...

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

Updated 12/14/18

1. Learn to find consistent terminology for communications related to gas measurement.
2. Identify gas measurement issues to enhance revenue.
3. Find accurate information for operational and economic benefit, and for reporting to regulatory agencies.
4. Inspect gas meter run(s) for compliance to industry and regulatory standards.
5. Identify incorrect measurement equipment and processes.