SAN JUAN COLLEGE
Success Matters

ENER-2190 WELLSITE MOTOR VALVES AND CONTROLLERS .5CREDITS

SYLLABUS

CATALOG DESCRIPTION

Course presents basic principles of common types of valves and controllers found on a wellsite, how they function and their applications. Students will gain an understanding of how to identify symptoms of improper operation, common causes of failures and how to make minor repairs/adjustments. They will also disassemble and assemble several types of controllers to facilitate their understanding of the repair, maintenance and operation of the valves and controllers.

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 common types of valves and controllers and describe applications of each.
2. Describe how valves and controllers function.

3. Identify symptoms of improper operation and common causes.
4. Describe and/or demonstrate how to make minor repairs and adjustments.