SAN JUAN COLLEGE
Success Matters

# IPOP-2470- Process Technology 2 Systems

# SYLLABUS

## CATALOG DESCRIPTION

Study of the interrelation of process equipment and process systems including related scientific principles as applied to power generation, refinery operations, and gas processing. The student will arrange process equipment into basic systems; describe the purpose and function of specific process systems; explain how factors affecting process systems are controlled under normal conditions and recognize abnormal process conditions.

Prerequisites:

IPOP-2460

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. Describe several different utility and auxiliary systems.
2. Describe several different reactor systems and their function.

3. Describe the principles of distillation.
4. Describe several different separation systems.