SYLLABUS

COURSE # AND TITLE _LSOP112 WellHead OP & DESIGN __ # OF CREDITS __2__

CATALOG DESCRIPTION: To provide students with techniques and procedures to correctly identify different wellhead designs and preventative maintenance routines. Safety will be strictly enforced.

Semester Offered: Fall, Spring and Summer

Prerequisites:

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will....

Learn	*Students will actively and independently acquire, apply and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.*
Think	*Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.*
Communicate	*Students will exchange ideas and information with clarity and originality in multiple contexts.*
Integrate	*Students will demonstrate proficiency in the use of technologies in the broadest sense related to their field of study.*
Act	*Students will act purposefully, reflectively, and respectfully in diverse and complex environments.*

GENERAL LEARNING OBJECTIVES

1. Understand basic wellhead use
2. Gain knowledge of pressure at the wellhead and safety features

SPECIFIC LEARNING OUTCOMES

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

1. Inspect valves and flanges for wear and leakage (grease and gas)
2. Become knowledgeable in proper valve install for flow direction
3. Keep wellhead valve handles installed and tight
4. Become aware of different valve pressure ratings and capabilities (color coded)
5. Identify wellhead flanges and know type of seal ring required
6. Understand wellhead designs, including surface pipe spools, casing spool(s), tubing spool, and Christmas tree knowledge
7. Become knowledgeable of manuals on internal workings of different valves
8. Gain awareness of the importance of a good annual lubrication program
9. Inspect valves for looseness and damage
10. Visually differentiate between threaded and flanged wellheads

Syllabus developed by __ Kenneth Johnson and Linda J Martinez __ Date: __February 15, 2006_

Syllabus reviewed by _____ Date: _____

A current syllabus must be on file in the dean's office for every course being taught during a given semester.