

MECH-2995 MAINTENANCE PROJECT 4 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This course is the final project. In this project the student will complete a Maintenance Work Order, Lock Out-Tag Out procedure, and use Maintenance Procedure to disassemble, inspect, measure and identify worn parts on the Afton pump. The pump will then be reassembled and reinstalled in location, where it will be aligned and tags released. This course also includes skills on the Williams piping trainer, Valve packing, and Valve Components. The projects are a culmination of all maintenance skills learned thus far.

Prerequisites: MECH 2680

Semester Offered: Spring

In the New Mexico General Education Curriculum students take courses in a variety of content areas, which may include Communications, Mathematics, Science, Social and Behavioral Sciences, Humanities, and the Creative and Fine Arts. Specific course requirements depend on your program. All general education courses focus on at least three of these skills. Other courses may also develop these skills.

Through these courses, students develop five essential skills:

COMMUNICATION

QUANTITATIVE REASONING

CRITICAL THINKING

PERSONAL AND SOCIAL RESPONSIBILITY

INFORMATION AND DIGITAL LITERACY

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or general education learning outcomes. For more information, please refer to the Dean of the appropriate School.

COURSE LEARNING OUTCOMES

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

1. Students will utilize skills attained in previous MECH Classes to include:
LOTO utilization, equipment research, safe rigging practices, precision measurement, hand and power tool use and record keeping.

REV. 01/09/20