

## **MECH-2710 PUMPS 2** 4 CREDITS

### **SYLLABUS**

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#### **CATALOG DESCRIPTION**

This course teaches the student the disassembly, inspection and reassembly of a centrifugal and positive displacement pumps. This course allows the student identify and replace worn or broken components of pumps. Critical measurements will be taken and documented. Shaft alignments will be performed to complete the assignments.

Lock-out tag-out procedures will be practiced and followed.

Prerequisites: MECH 2610

Semester Offered: Spring

#### ***GENERAL EDUCATION STUDENT LEARNING OUTCOMES***

*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. Upon completion of course, student will be able to perform the following:

Successfully perform all functions related to centrifugal and positive displacement pump disassembly and rebuild, to include:

- LOTO procedures
- Tool selection
- Critical measurements
- Documentation
- Shaft alignments

**REV. 01/09/20**