COURSE TITLE & NUMBER: Mechanical Systems 2: IST 2550
CREDITS: 3 (2 Lec/1 Lab)
PREREQUISITES: IST1550: Mechanical Systems 1

CATALOG DESCRIPTION:
Mechanical Systems 2 builds upon concepts learned in Mechanical Systems 1 with advanced applications in bearing, rigging techniques, and troubleshooting. Students will explore the principles of pumps, valves and product conveying systems.

OUTLINE OF MAJOR CONTENT AREAS:
1. Mechanical Systems troubleshooting
2. Pumping Systems
3. Lubrication and Bearings
4. Advanced rigging techniques
5. Product Conveying Systems

COURSE GOALS/OBJECTIVES/OUTCOMES:
1. Students will demonstrate appropriate attitudes and behaviors: honesty, responsibility, respect and initiative.
2. Students will identify occupational safety hazards and follow appropriate safety precautions.
3. Students will exhibit safe housekeeping procedures in the lab.
4. Students will work cooperatively and understand the roles of leadership and supervision.
5. Students will use techniques and information learned in class to critically and logically complete projects.
6. Students will identify pump components.
7. Students will explain pump applications and operations.
8. Students will assemble and disassemble pumps.

MNTC GOALS AND COMPETENCIES MET:
N/A

HCC COMPETENCIES MET:
Working Productively and Cooperatively

STUDENT ASSESSMENT SHALL TAKE PLACE USING INSTRUMENTS SELECTED/DEVELOPED BY THE COURSE INSTRUCTOR.

Curriculum Committee Approval Date: March 13, 2018
AASC APPROVAL DATE: March 21, 2018
REVIEW DATE: March 2023