HIBBING COMMUNITY COLLEGE
COURSE OUTLINE

COURSE TITLE & NUMBER: Mobile and Process Equipment 2: IST 2250
CREDITS: 3 (1 Lec/2 Lab)
PREREQUISITES: None

CATALOG DESCRIPTION:
Mobile and Process Equipment Operations 2 continues students’ hands-on education in equipment operation. Students will learn basic predictive maintenance, troubleshooting and operation of equipment such as articulating loaders, manlifts, skidsteer implements, mini excavators, dump trucks, conveyors, and stationary boilers.

OUTLINE OF MAJOR CONTENT AREAS:
1. Advanced mobile and stationary equipment safety
2. Advanced mobile and stationary equipment operations
3. Advanced mobile and stationary equipment maintenance
4. Troubleshooting mobile and stationary equipment

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 equipment duties and operations.
6. Students will measure and calculate all math needed.
7. Students will develop written preshift equipment checklist.
8. Students will demonstrate preshift walkaround.
9. Students will operate simulator.
10. Students will identify equipment components.

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.
ADDITIONAL INFORMATION: None

Curriculum Committee Approval Date: March 13, 2018

AASC APPROVAL DATE: March 21, 2018
REVIEW DATE: March 2023