HIBBING COMMUNITY COLLEGE
COURSE OUTLINE

COURSE TITLE & NUMBER: IST 1050: Introduction to Industrial Systems Technology
CREDITS: 3 (3 Lec / 0 Lab)
PREREQUISITES: None

CATALOG DESCRIPTION:
Introduction to Industrial Systems Technology introduces students to the careers, skill requirements, production practices and economic considerations important in today's industry. The course covers industrial operations with a total systems approach, safety and worker's rights, employee/employer ethics, economics, sustainability, and lean production through a combination of lecture, labs and tours of regional employers.

OUTLINE OF MAJOR CONTENT AREAS:
1. Introduction to Industrial Skill Sets including Equipment Operation
2. Safety and Worker's Rights
3. Ethics in the Workplace
4. Business/Industry Economics
5. Total Systems Overview
6. Introduction to Sustainability
7. Lean Production
8. Regional Industry Tours

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 safety protocol.
3. Students will exhibit safe housekeeping procedures in the lab.
4. Students will exhibit problem solving and critical thinking.
5. Students will identify total systems approach (the way all systems are part of a larger industrial system).

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 2022