HIBBING COMMUNITY COLLEGE
COURSE OUTLINE

COURSE NUMBER & TITLE:  DSL 2500: General Shop Practices 2
CREDITS:  1 (0 Lec / 1 Lab)
PREREQUISITES:  DSL 1501

CATALOG DESCRIPTION:
General Shop Practices demonstrates shop procedures, and safe shop administration in the Heavy Equipment and Diesel Shop. Safety in the use of hand tools, electric tools, and other equipment used by the technician are covered. The Minnesota Right-to-Know Law is presented. Shop procedures are covered with emphasis on safety and personal protection equipment. Emergency first aid procedures are covered.

OUTLINE OF MAJOR CONTENT AREAS:
1. Shop safety practices
   A. Eye protection
   B. Foot protection
   C. Head protection
2. Minnesota Right-to-Know Law
3. Mechanic tool usage
   A. Tool identification
   B. Appropriate tool use
   C. Safe tool handling
4. Shop skills
   A. Equipment operation
      1. Hydraulic press
      2. Steam cleaner
      3. Drill press
      4. Grinders
      5. Overhead cranes
      6. Forklift
   B. Repair techniques

COURSE GOALS/OBJECTIVES/OUTCOMES:
1. Students will use common diesel hand tools.
2. Students will demonstrate the use of electric tools found in a Heavy Equipment Shop.
3. Students will demonstrate the use of air tools found in a Heavy Equipment Shop.
4. Students will demonstrate the use of hydraulic tools found in a Heavy Equipment Shop.
5. Students will demonstrate the use of lifting equipment found in a Heavy Equipment Shop.
6. Students will demonstrate the use of various cleaning equipment.
7. Students will use fluid pressure testing equipment.
8. Students will use environment of service facility.
9. Students will identify machines and operations.
10. Students will explain mandated regulations.
11. Students will perform shop and in-field practices.
13. Describe basic academic functions.
14. Students will utilize industry software and electronic communications systems and reference resources.
15. Students will exhibit dealership goals, objectives and policies.
16. Students will define basic business practices.
17. Students will describe functions of the dealership service department; explain department goals and procedures.

**MNTC GOALS AND COMPETENCIES MET:**
N/A

**HCC COMPETENCIES MET:**
Working Productively & Cooperatively
Communicating Clearly & Effectively
Thinking Creatively & Critically
Civic/Social Responsibility

**STUDENT CONTRIBUTIONS:**
The student is expected to
1. attend all lectures.
2. participate in class activities.
3. participate in class discussions.
4. hand in outside assignments when due.
5. ask questions if he/she does not understand any part of the instructions or procedures.

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

**ADDITIONAL INFORMATION**
Minnesota Right-to-Know handouts, instructor handouts, safety dvds, and lecture notes are materials used. Material Safety Data Sheets are available for reference.

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<th>AASC APPROVAL DATE:</th>
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<td>REVIEW DATE:</td>
<td>March 2021</td>
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