

**HIBBING COMMUNITY COLLEGE
COURSE OUTLINE**

COURSE NUMBER & TITLE: DSL 1501: General Shop Practices 1

CREDITS: 1 (1 Lec / 0 Lab)

PREREQUISITES: None

CATALOG DESCRIPTION:

General Shop Practices teaches 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:

- I. Shop safety practices
 - A. Eye protection
 - B. Foot protection
 - C. Head protection
- II. Minnesota Right-to-Know Law
- III. Mechanic tool usage
 - A. Tool identification
 - B. Appropriate tool use
 - C. Safe tool handling
- IV. 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:

Students will

- 1. use hand tools.
- 2. use electric tools.
- 3. use air tools.
- 4. use hydraulic tools.
- 5. use lifting equipment.
- 6. use various cleaning equipment.
- 7. use fluid pressure testing equipment.

8. use environment of service facility.
9. identify machines and operations.
10. explain mandated regulations.
11. perform shop and in-field practices.
12. demonstrate hazard identification and prevention.
13. describe basic academic functions.
14. utilize industry software and electronic communications systems and reference resources.
15. exhibit dealership goals, objectives and policies.
16. define basic business practices.
17. 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.

SPECIAL INFORMATION: (SPECIAL FEES, DIRECTIVES ON HAZARDOUS MATERIALS, ETC.)

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

AASC APPROVAL DATE: February 20, 2016
REVIEW DATE: February 2021

DLS1501:so
021016

DSL 1501