Hibbing Community College

DSL 2515: Machine Tool Technology

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 1
Lab Hours/Week: 4
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

Machine Tool Technology will address the operation, maintenance and application of machine tools used in the Heavy Duty Truck and Off Road Equipment industry. The course will focus on the application of critical measuring, comparison and repair procedures needed to repair component parts. Credits: 3 (Lec 1/Lab 2)

B. COURSE EFFECTIVE DATES: 08/24/2005 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Identify Machine Tools
2. Identify Tooling
3. Do Critical Measuring
4. Understand & Practice Safe Working Habits

D. LEARNING OUTCOMES (General)

1. Students will exhibit safe work practices.
2. Students will identify different measuring devices and display proper use of each device.
3. Students will identify and operate a lathe competently.
4. Students will identify and operate a milling machine competently.
5. Students will identify and operate a surface grinder competently.
6. Students will create a drawing from given specifications and create the part using correct tooling and procedures.
7. Students will service, inspect and repair machine tools.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus
G. SPECIAL INFORMATION

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

STUDENT CONTRIBUTIONS:
Students are expected to attend all lectures and lab sessions, participate and contribute to class discussions, complete all assignments on time and request assistance when needed. Attendance is critical in this class.

METHODS FOR EVALUATING STUDENT LEARNING:
Performance objectives and exams will be translated to points and the points to grades. Methods of evaluation include tests, quizzes, class participation, assignments, attendance, and lab tasks.

AASC APPROVAL DATE: January 17, 2018
REVIEW DATE: January 2023