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HEO 146T.01: Safety and Basic Controls

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**THE UNIVERSITY OF MONTANA-MISSOULA
COLLEGE OF TECHNOLOGY
INDUSTRIAL TECHNOLOGY DEPARTMENT**

COURSE SYLLABUS

COURSE NUMBER AND TITLE: HEO146T SAFETY AND BASIC CONTROLS

DATE REVISED: Fall 2003

SEMESTER CREDITS: 5

CONTACT HOURS PER SEMESTER: 150

Lecture hours per week: 4

Lab hours per week: 8

Shop hours per week: 8

PREREQUISITES: None

INSTRUCTOR NAME: Tim Lytle

E-MAIL ADDRESS: Tim.Lytle@mso.umt.edu

PHONE NUMBER : 406-243-7643

OFFICE LOCATION : West Campus 3639 South Avenue West

OFFICE HOURS: Regular Hours

RELATIONSHIP TO PROGRAM:

Safety and basic knowledge of heavy equipment operation are needed in the development of the students operating skills. This course is essential to assure that complete understanding of safe start-up, operation, and shut-down procedures of each piece of equipment are followed throughout the program.

COURSE DESCRIPTION:

Orientation to the safe operation and basic control of crawler-tractors, scrapers, front end loaders, motor graders, backhoes, rollers, low-boys, dump trucks, and other heavy equipment. Sufficient time will be allowed for the development of basic machine operation skills.

STUDENT PERFORMANCE OUTCOMES:

Occupational Performance Objectives

Life-Long Learning Skill Codes*

[Include Code and Number]

Upon completion of this course, the student will be able to:

- | | |
|--|--|
| 1. Interpret operators manuals for all pieces of equipment. | BSKL:1,2,4/THINK:6
INFO: 1 |
| 2. Understand basic operating principles of each piece of equipment | SYS: 1,2/TECH: 1,2,3/
BSKL: 1,2,4,5 |
| 3. Perform pre-operational procedures and understand the meaning of the procedure. | BSKL: 1,2,3/THINK: 2,3,6,
PQ: 1/RSRC: 1/IPS:5 |