HEO 146T.01: Safety and Basic Controls

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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
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

Life-Long Learning Skill Codes*
[Include Code and Number]