Fall 9-2004

HEO 146T.01: Safety and Basic Controls

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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:

<table>
<thead>
<tr>
<th>Occupational Performance Objectives</th>
<th>Life-Long Learning Skill Codes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upon completion of this course, the student will be able to:</td>
<td>[Include Code and Number]</td>
</tr>
<tr>
<td>1. Interpret operators manuals for all pieces of equipment.</td>
<td>BSKL:1,2,4/THINK:6</td>
</tr>
<tr>
<td>2. Understand basic operating principles of each piece of equipment</td>
<td>SYS: 1,2/TECH: 1,2,3/BSKL: 1,2,4,5</td>
</tr>
<tr>
<td>3. Perform pre-operational procedures and understand the meaning of the procedure.</td>
<td>BSKL: 1,2,3/THINK: 2,3,6/ PQ: 1/R SRC: 1/IPS:5</td>
</tr>
</tbody>
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