Category: SAFETY
  – Tool and Machine Safety

• Individual Work:

• Time: 2:00

• Task:
  – Logon and complete the assigned LAB
Category: Tool & Equipment Operation
  - Checking Machine Guards
  - Checking Interlocks & Emergency Stop Controls
  - Checking Alarms, Safety Valves, & Rupture Disks

Process:
  - Class

Time: :00

Task:
  - Read MA pg. 157-168
  - Class Discussion after each section
TOOL SAFETY & MAINTENANCE

• Tool-Related Safety
  – Tool Hazards
  – Cut Points
  – Crush Points
  – Pinch Points
  – Wrap Points

• Safety Systems
  – Guards
  – Interlocks
  – Simultaneous Control Devices
  – Safety Valves
  – Fuses and Circuit Breakers
  – Emergency Stop Buttons
TOOL SAFETY & MAINTENANCE

- Lockout/Tagout
  - Process prevents machine from starting or releasing energy while being repaired or maintained

- Safety Sensors & Alarms
  - Warning systems to alert you to danger
    - Trip Devices
    - Alarms

- Ergonomics
  - The science of designing and arranging things people use

- Preventing Arm & Hand Injuries
- Preventing Leg & Back Injuries
“This workforce product was funded by a grant awarded by the U.S. Department of Labor’s Employment and Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.”

Project Product was created by North Central Missouri College Grant Staff licensed under a Creative Commons Attribution 4.0 International License.