INDS 1610: Industrial Safety

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course is an introduction to safety programs and areas of concern for the general maintenance worker. General safety, safety rules and regulations, personal protective equipment, Right-To-Know and chemical safety, tool and machinery safety, electrical safety and confined spaces are the main topics of discussion.
(Prerequisite: None) (2 credits: 2 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 04/30/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. General Safety
2. Safety rules and regulations
3. Personal protective equipment
4. Right-to-know and chemical safety
5. Tool and machinery safety
6. Electrical safety
7. Confined spaces
D. LEARNING OUTCOMES (General)
   1. Define hazard types
   2. Define accident types
   3. Compare unsafe acts/unsafe conditions
   4. List toxic substance exposure routes
   5. List employee/employer OSHA rights
   6. Summarize MSDS sheet information
   7. List employer/employee PPE responsibilities
   8. Identify improper clothing hazards
   9. Compare eye safety protection
  10. Identify unsafe noise levels
  11. List respirator types
  12. List chemical hazard controls
  13. Explain chemical exposure first aid procedures
  14. List hand tool accident causes
  15. Explain electric tool grounding importance
  16. List hand tool safety rules
  17. List pneumatic tool safety rules
  18. List material handling safety procedures
  19. Identify pinch points and point of operation points
  20. Identify mechanical safeguards
  21. Define zero energy state
  22. Describe lockout/tagout procedures
  23. List electric shock first aid procedures
  24. List electrical safety rules
  25. Describe fire-fighting agents
  26. List fire prevention methods
  27. Define ergonomics
  28. List hearing protection methods
  29. List housekeeping rules
  30. Describe elevated working hazards
  31. Describe confined space hazards
  32. Examine proper nutrition requirements
  33. Describe proper muscle group maintenance requirements

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted