

Minnesota State College Southeast

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