SYLLABUS
OSHA 30 HOUR CONSTRUCTION OUTREACH TRAINING
SFTX-1035

2010

WESTERN NEBRASKA COMMUNITY COLLEGE
BUSINESS & COMMUNITY EDUCATION
I. CATALOG DESCRIPTION:

SFTX-1035
OSHA 30 Hour Construction Outreach Training
Prerequisite:

The OSHA 30 Hour Construction Industry Outreach Training course is a comprehensive safety program designed for anyone involved in the construction industry. Specifically devised for safety directors, foremen, and field supervisors; the program provides complete information on OSHA compliance issues. OSHA recommends Outreach Training Programs as an orientation to occupational safety and health for workers covered by OSHA 29 CFR 1926. Construction workers must receive additional training, when required by OSHA standards, on specific hazards of the job.

(2/30/0/0/0/V)

II. COURSE OBJECTIVES/COMPETENCIES:
Upon completion of this course, the student will be able to:

A. Locate OSHA Standards references applicable to specific hazardous conditions and practices

B. Describe the aspects of 1926 Subpart C

C. Implement preventative measures for accidents in their workplace (Subpart D- Occupational health and Environmental Controls)

D. Describe types of personal protective equipment (PPE), and the requirements for use in OSHA standards

E. List the requirements for fire protection in the workplace

F. Identify types of rigging equipment used to protect employees

G. Identify the critical health and safety hazards of welding and cutting in the construction industry

H. Identify common electrical hazards and related OSHA standards

I. Explain the importance of scaffolding for workers in elevated workplaces

J. Implement measures for protecting workers and equipment from dangerous falls

K. Recognize the hazards associated with working in or around excavation sites
L. Express the safety requirements necessary to protect workers around concrete and masonry jobs

M. Identify the precautions and hazards to protect workers using explosives or blasting agents

N. Explain the process to protect workers who perform jobs on or around stairways or ladders at worksites

O. List and describe the hazards and prevalence of confined spaces

III. INSTRUCTIONAL MATERIALS:

A. Study Guides

B. Internet

IV. COURSE OUTLINE:

A. Introduction to OSHA and the OSH Act
   1. Introduction to OSHA (Occupational Safety and Health Administration
   2. OSHA Requirements and Practices

B. 29 CFR 1904-Record Keeping
   1. Record Keeping
   2. Reporting

C. Basic Safety Orientation
   1. Hazard Communication and Protective Equipment
   2. Workplace Hazards and Protection

D. OSHA 1926 Subpart C-General Safety and Health Provisions
   2. Employee Medical Exposure Records, Means of Egress, and Employee Emergency Action Plans

   1. Introduction to Hazard Communication Standard
2. Labels, MSDs, Symbols, Hazards, and Training

F. OSHA 1926 Subpart D-Health Hazards in Construction: Hazardous Materials
   1. Hazardous Material

G. OSHA 1926 Subpart D- Process Safety Management (PSM)
   1. Introduction to Process Safety Management
   2. Contractors, Mechanical Integrity, Management of Chain, and Emergency Planning

H. OSHA 1926 Subpart E-Personal Protective Equipment
   1. Protecting Employees from Workplace Hazards
   2. Head, Eye, Face, Hearing, Foot, Hand, and Body Protection
   3. Choosing Personal Protective Equipment

I. Fire Protection for Construction- Basic
   1. Fire Safety Essentials
   2. Fire Prevention and safety Measures

J. Materials Handling for Construction-Basic
   1. The Hazards and Methods of Prevention (Manual Handling)
   2. Materials Handling Equipment
   3. Ergonomics, Training, and Education

K. Hand and Power Tools-Basic
   1. Safe Use of Hand and Power Tools
   2. Classification of Tools
   3. Mechanical Power-Transmission Apparatus

L. Welding and Cutting for Construction
   1. Welding and Cutting
   2. Welding Safety: Prevention, Ventilation and Protection
   3. Operating and Using Cylinders, Welding Cables and Connectors
M. Electrical Safety for Construction
   1. Introduction to Electrical Hazards and Control
   2. Electrical Hazards-Other Preventative Measures

N. Struck By and Caught in Between Hazards
   1. Struck by Hazards
   2. Caught in Between Hazards

O. Fall Protection-Basic
   1. Fall Protection
   2. Inspection and Safety Monitoring Systems

P. Cranes and Rigging: Basic
   1. General Standards
   2. Cranes
   3. Cranes, the Personal Platform, Rigging

Q. Motor Vehicles
   1. Subpart O-Motor Vehicles
   2. Subpart W-Rollover Protective Structures for Material Handling (ROPS)
   3. Subpart G-Signs, Signals, and Barricades

R. Excavations-Basic
   1. Standards and Protection
   2. Essentials of Excavations
   3. Soil Classifications

S. Concrete and Masonry Construction: Basic
   1. Concrete and Masonry Construction (Part-1)
   2. Concrete and Masonry Construction (Part-2)
   3. Formwork
T. Stairways and Ladders
   1. Stairways and Ladders
   2. Ladders and Training
   3. Stairways and Ladders

U. Confined Spaces
   1. Overview of Confined Spaces
   2. Safety and Training Education

V. Lead safety in the Workplace
   1. Lead in the Workplace
   2. Exposure Reduction and Employee Protection

W. Use of Explosives in the Workplace
   1. Control Measures

X. Scaffolds
   1. Introduction to Scaffolds
   2. Overview of OSHA Directives for the Construction of Scaffolds

V. METHOD OF PRESENTATION:
   A. Timed online coursework

VI. METHOD OF EVALUATION:
   A. All module quizzes require a score of 70% or higher to proceed forward in the course. The final exam also requires a minimum score of 70% to receive a certificate of completion. The final exam may be taken three times if necessary.

   B. Successful completion of this course must occur within six months of registration.

VII. ACADEMIC INTEGRITY:
    Academic integrity forms a fundamental bond of trust between colleagues, peers, teachers, and students, and it underlies all genuine learning. At WNCC, there is no tolerance for plagiarism or academic dishonesty in any form, including
unacknowledged "borrowing" of proprietary material, copying answers or papers, or passing off someone else's work as one's own.

A breach of ethics or act of dishonesty can result in:
- failure of a paper or exam within a course
- failure of an entire course (blatant plagiarism, cheating on a test or quiz)
- academic suspension or expulsion from the college

VIII. EQUAL ACCESS STATEMENT:
Western Nebraska Community College is committed to providing equal access to educational opportunities. If you believe that you qualify under the Americans with Disabilities Act (ADA), please contact the Director of Counseling (308-635-6090) as soon as possible to begin a process of documentation review and determination for appropriate accommodation or adaptive strategies.

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