

Northwest Arkansas Community College

Standard Course Outline

Science Department

OSHA 1012 SCO OSHA Construction Industry Standards

Catalog Description: This course is an introduction to basic safety knowledge for the construction industry. Topics covered include a variety of construction safety and health hazards which may be encountered at construction sites. Students will develop a general understanding about how to properly identify, abate, avoid, and prevent potential job related hazards in the construction industry. Students will receive the 30hr OSHA Construction card upon successful completion of the course. Students can utilize this as a credit course in pursuit of the Certificate of Proficiency in Workforce Readiness. Noncredit students would have the option to complete course for certification and/or be an elective within the Environmental Science degree program. This course is not intended for transfer.

Target Audience/Transferability: Successful completion of this course should prepare students for further study in environmental and regulatory science.

Prerequisites: None

Credit/Contact/Load hours: 2/2

Student Learning Outcomes: Students completing this course will:

- Demonstrate specific knowledge, skills and/or attitudes relevant to the construction OSHA topic focus.
- Promote safety and health in the construction work environment.
- Utilize research on the web to expand knowledge base of OSHA construction standards.
- Demonstrate to workers how to identify, predict, and avoid hazards in the construction industry.

Topics

- Introduction to OSHA
- OSHA Inspection Procedures
- Safety & Health Programs
- Recordkeeping
- Hazard Communication
- Exit routes, Emergency Action Plans & Fire Prevention

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- Fire Detection & Protection
- Fall Prevention
- Electrical
- Electrical Part II
- Case Studies & Workshop
- Flammable & Combustible Liquids
- Lockout/Tagout
- Machine Guarding
- Excavations
- Scaffolding
- Concrete and Masonry NOTE_____non indention belowXXXXXXXX
 - Walking & Working Surfaces
 - Welding, Cutting & Brazing
 - Material Handling
 - Permit-Required Confined Spaces
 - Personal Protective Equipment
 - Industrial Hygiene & Blood borne Pathogens
 - Hand & Portable Power Tools & Other Hand-Held Equipment
 - Case Studies & Workshop

Assessment Methods:

Quizzes and Exams