

# CONTRACTOR SAFETY ORIENTATION SYLLABUS

## Electrical Training

### AUDIENCE

- ❖ *All contractor employees working with or near electrical power sources.*

### PRESENTATION METHOD

- ❖ *CBT – Computer Based Training*

### TRAINING DURATION

- ❖ *Student paced (approx. 45 – 60 minutes)*

### PURPOSE

- ❖ *Training will inform personnel of the hazards associated with electricity. The course will inform employees of the safety procedures and rules when working in the areas that there are possible electrical hazards to people, equipment or property. Training will communicate correct response to electrical emergencies.*

### SUBJECT MATTER

- |                                     |                                 |
|-------------------------------------|---------------------------------|
| * Safety Signs and Colored Surfaces | * Personal Protective Equipment |
| * Housekeeping                      | * Safe Equipment                |
| * Safe Environment                  | * Safe Work Practices           |
| * Clothing                          | * Working on Live Circuits      |

### OBJECTIVES

- ❖ *At the conclusion of this training program each participant should:*
1. Understand the work environment.
  2. Know safety signs.
  3. Understand housekeeping policies.
  4. Know hazardous condition like moisture, atmospheric hazards and poor lighting.
  5. Know what type of personal protective equipment/clothing to use.
  6. Know to use tools with insulated grips and power tools that meet the National Electrical Code.
  7. Understand fire prevention when using wall plugs and extension cords.
  8. Know meters and testers need to be tested often.
  9. Know ladder safety when used in electrical work.
  10. Know safe work conditions, practices and procedures.
  11. Know the first step before working on electrical system.
  12. Understand who can remove locks and tags.
  13. Know who is qualified to work on energized circuits and equipment within 10' of power lines.
  14. Know the rule for unqualified persons when working near exposed or live power lines.
  15. Know how to protect against electrical shock around live circuits.
  16. Know how electricity passes through the body and the rule to use.

### MEASUREMENT DEVICE

- ❖ *Written Test – 25 questions, 70% to pass*