Basic Electrical Safety

This two-day introductory electrical safety course is primarily designed for those who do not have a background in electricity but are required to have safety training. As a prerequisite to understanding the concepts of electrical safety, students are first introduced to basic electrical principles. Students then learn valuable information regarding OSHA 1910 and electrical safety.

I. Introduction

II. Fundamental Concepts of Electricity
   · Conductors and Insulators
   · Voltage, Current and Resistance
   · Common Electrical Terms

III. Effects of Electricity
   · Factors Affecting the Severity of Shock
   · Current and Voltage Levels
   · Rescue and First Aid

IV. Hazard Awareness
   · Hazards in Power Systems
   · Maintenance Hazards

V. OSHA 1910
   · General Requirements (1910.303)
   · Qualified and Unqualified Work Training (1910.332)
   · Selection and Use of Work Practices (1910.333)
   · Use of Equipment (1910.334)
   · Safeguards for Personnel Protection (1910.335)