

Electrical Safety

COURSE CODE : ZMT-HSE-111



COURSE OVERVIEW	The Electrical Safety Course is a comprehensive one-day program designed to equip participants with essential knowledge, skills, and confidence for safely performing tasks on electrical systems, portable electrical appliances, and electrical devices or equipment. This training ensures workplace safety and compliance with electrical safety standards.
TARGET AUDIENCE	This course is tailored for: <ul style="list-style-type: none"> • Line Managers • Supervisors • Machine Operators • Electricians • Personnel working with electrically energized machines and systems
COURSE OBJECTIVES	Participants will learn: <ul style="list-style-type: none"> • Identify hazards associated with electrical work • Implement risk reduction and preventive measures • Recognize and describe main types of injuries caused by electricity • Conduct risk assessments and implement Lockout/Tagout (LOTO) procedures • Minimize risks through effective hazard control strategies
COURSE CONTENTS	<ol style="list-style-type: none"> 1. Introduction to Electrical Safety 2. Responsibilities: <ul style="list-style-type: none"> • Employer’s Responsibilities • Employee’s Responsibilities 3. Fundamentals of Electrical Safety 4. Electrical Safety Management Program (PDCA Framework) 5. Electrical Hazard Identification: <ul style="list-style-type: none"> • Activities and situations posing risks from electrical energy • Hazard Identification & Risk Assessment (HIRA) 6. Country-Specific Statutory Requirements: <ul style="list-style-type: none"> • Electrical Safety Rules and Regulations 7. Hazard Mitigation Procedures for: <ul style="list-style-type: none"> • Earthing • Static Electricity • Portable Tools • Work Permits • Lockout/Tagout (LOTO) • Personal Protective Equipment (PPE) • Hazard Communication 8. Periodic Testing and Maintenance 9. Qualification and Competency Requirements 10. Safe Working Techniques
DELIVERY MODE	The course utilizes a combination of, Facilitator-led presentations Group discussions Skill-building exercises Practical role-playing activities.
DURATION	1 Day



**ASSESSMENT
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Participants will undergo both theoretical and practical evaluations to assess their familiarity with electrical safety requirements and procedures.