Training Course on Eradication and Remediation Techniques

Professional Development Training Course Outline

Category	Digital Forensics	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today's rapidly evolving world, businesses and institutions face increasing challenges from biological, chemical, and environmental contaminants that threaten operational efficiency, public health, and safety. Training Course on Eradication and Remediation Techniques equips professionals with cutting-edge knowledge, practical tools, and hands-on experience to eliminate contaminants at the source and ensure thorough decontamination. This program is specifically designed for industries prioritizing sustainability, compliance, safety, and health standards.

Using advanced disinfection protocols, non-toxic green chemicals, environmental assessment technologies, and AI-powered remediation solutions, this training dives deep into comprehensive sanitation and remediation strategies. Participants will gain skills necessary to detect, prevent, and respond effectively to contamination incidents using globally recognized best practices and compliance standards, including OSHA, CDC, and WHO regulations.

Programme Curriculum

Training Course on Eradication and Remediation Techniques

Introduction

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recognized best practices and compliance standards, including OSHA, CDC, and WHO regulations.

Course Objectives

1. Understand the principles of advanced decontamination and eradication.
2. Apply high-impact biohazard and chemical cleanup techniques.
3. Analyze different contaminants and their environmental impact.
4. Utilize eco-friendly and AI-supported remediation tools.
5. Implement deep cleaning and sterilization protocols in critical zones.
6. Master containment strategies for mold, bacteria, and toxic spills.
7. Apply digital contamination mapping and smart monitoring.
8. Integrate risk mitigation techniques for long-term safety.
9. Handle post-contamination air and water quality restoration.
10. Follow international and national compliance standards.
11. Evaluate and choose appropriate personal protective equipment (PPE).
12. Prepare and respond to contamination emergencies with agility.
13. Conduct post-remediation verification and quality assurance testing.

Target Audience

1. Environmental Health and Safety Officers
2. Industrial Hygienists
3. Cleaning and Sanitation Technicians
4. Facility Managers
5. Public Health Officials
6. Emergency Response Teams
7. Construction and Demolition Professionals
8. Hospital and Laboratory Sanitation Teams

Course Duration: 10 days

Course Content

Module 1: Introduction to Contaminants and Eradication

- Types of contaminants (biological, chemical, radiological)
- Risk zones and critical exposure points
- Introduction to regulatory standards (OSHA, CDC)
- Health and environmental impacts of contamination
- Overview of cleaning technologies
- **Case Study: Hospital-acquired infection outbreak management**

Module 2: Deep Cleaning Methodologies

- Surface-level vs. deep decontamination
- Mechanical and chemical cleaning methods
- Role of pressure washing and steam treatment
- High-touch point sanitation best practices
- Selection of cleaning agents
- **Case Study: Food processing plant decontamination**

Module 3: Advanced Disinfection Technologies

- UV-C and ozone sanitation
- Electrostatic disinfection sprayers

- Fogging vs. misting machines
- AI-driven disinfection systems
- Calibration and safety protocols
- **Case Study: School reopening after viral outbreak**

Module 4: Biohazard and Pathogen Eradication

- Handling bloodborne pathogens and medical waste
- Sterilization in clinical environments
- Microbial and fungal control
- Sanitary barriers and zones
- Disinfection after infection outbreaks
- **Case Study: ER biohazard incident resolution**

Module 5: Mold Remediation Strategies

- Mold identification and assessment
- Moisture control and HVAC interventions
- Containment zone setup
- HEPA filtration and air scrubbers
- Safe removal and disposal techniques
- **Case Study: Residential black mold remediation**

Module 6: Hazardous Material Handling

- Types of hazardous materials
- Proper labeling and segregation
- PPE selection and usage
- Spill response protocols
- Chemical neutralization processes
- **Case Study: Chemical spill in a warehouse**

Module 7: AI and Smart Tech in Remediation

- IoT for contamination tracking
- Real-time hazard detection tools
- Predictive modeling and AI diagnostics
- Digital decontamination mapping
- Reporting and auditing platforms
- **Case Study: Smart facility cleanup using AI**

Module 8: Air and Water Quality Restoration

- HEPA and ULPA filtration systems
- HVAC system decontamination
- Water source testing and treatment
- Odor control methods
- Monitoring indoor air quality (IAQ)
- **Case Study: Office building air quality restoration**

Module 9: Green and Eco-Friendly Cleaning

- Certified green cleaning products
- Environmental impact assessment
- Sustainable waste disposal
- Biodegradable vs. chemical agents

- LEED-compliant practices
- **Case Study: Eco-remediation in a school district**

Module 10: Emergency Decontamination Protocols

- Crisis planning and emergency kits
- Containment during active outbreaks
- Decontamination tents and mobile units
- Rapid deployment teams
- Coordination with public health agencies
- **Case Study: Post-flood remediation project**

Module 11: PPE and Personal Safety Measures

- Levels of PPE protection
- Fit-testing and donning/doffing procedures
- PPE disposal and reuse guidelines
- Heat stress and fatigue management
- PPE storage and logistics
- **Case Study: Frontline sanitation crew safety audit**

Module 12: Remediation Project Management

- Time and resource planning
- Vendor selection and equipment procurement
- Documentation and SOPs
- Communication strategies with stakeholders
- Budgeting and cost control
- **Case Study: Corporate HQ remediation timeline**

Module 13: Legal and Compliance Standards

- OSHA, EPA, WHO regulations overview
- Penalties for non-compliance
- Licensing and certification requirements
- Legal liability and insurance considerations
- Ethical cleanup practices
- **Case Study: Legal compliance audit after contamination**

Module 14: Post-Cleaning Verification and QA

- Surface and air sampling techniques
- ATP and microbial testing tools
- QA checklist development
- Reporting structure and feedback loops
- Third-party inspection processes
- **Case Study: Pharma lab quality assurance validation**

Module 15: Final Assessment and Simulation

- Simulation of contamination event
- Practical decontamination drills
- Team coordination and leadership
- Documentation and real-time reporting
- Final exam and course wrap-up
- **Case Study: Full facility emergency simulation**

Training Methodology

- Interactive lectures using real-world examples
- Hands-on practical sessions with modern tools
- Role-playing exercises for contamination response
- Case study analysis to link theory to practice
- Group discussions and breakout workshops
- On-site and remote learning options

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
21 Sep 2026	02 Oct 2026	Online	$2,000
21 Sep 2026	02 Oct 2026	Physical	$3,000
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0

Start Date	End Date	Location	Price
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0

Ready to enroll or request a customized program? Book online or contact us:

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