Construction Quality Auditing Training Course

Professional Development Training Course Outline

Category	Architectural Engineering	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Construction Quality Auditing is a critical discipline in modern infrastructure development, ensuring that all building activities comply with international construction standards, QA/QC frameworks, and regulatory compliance requirements. Construction Quality Auditing Training Course is designed to equip professionals with advanced competencies in construction quality assurance, site inspection techniques, defect prevention strategies, and ISO 9001:2015 auditing principles. With increasing demand for smart construction monitoring, digital QA systems, and sustainable construction practices, quality auditing has become a core pillar in delivering safe, durable, and cost-effective projects.

This program provides a structured approach to mastering construction site auditing, risk-based inspection planning, material testing verification, and contractor compliance evaluation. Participants will gain hands-on knowledge of non-conformance reporting (NCR), corrective and preventive actions (CAPA), and construction quality control documentation systems. The course aligns with global best practices in Lean Construction, BIM-integrated quality management, and continuous improvement auditing systems, preparing professionals for high-impact roles in construction quality governance.

Programme Curriculum

Construction Quality Auditing Training Course

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Course Duration

5 days

Course Objectives

1. Master Construction Quality Auditing Frameworks
2. Apply ISO 9001:2015 Construction Compliance Standards
3. Conduct On-site Quality Inspection and Verification
4. Implement QA/QC Documentation Control Systems
5. Identify and Manage Construction Defects and Non-Conformities
6. Develop Risk-Based Quality Audit Plans
7. Strengthen Material Testing and Approval Procedures
8. Execute Contractor Performance Evaluation Audits
9. Use BIM-Based Quality Management Tools
10. Apply Lean Construction Quality Principles
11. Prepare Audit Reports and Compliance Documentation
12. Implement Corrective and Preventive Actions (CAPA)
13. Enhance Sustainable Construction Quality Practices

Target Audience

1. Construction Project Managers
2. QA/QC Engineers and Inspectors
3. Site Engineers and Supervisors
4. Civil Engineering Graduates
5. Contractors and Subcontractors
6. Infrastructure Development Consultants
7. Government Construction Regulators
8. Health, Safety & Environment (HSE) Officers

Course Modules

Module 1: Fundamentals of Construction Quality Auditing

- Principles of quality assurance in construction
- Difference between QA and QC systems
- Audit lifecycle in construction projects
- Roles and responsibilities of auditors
- Overview of ISO construction standards
- **Case Study:** Analysis of quality failures in a mid-rise residential project due to weak QA systems.

Module 2: ISO 9001:2015 in Construction

- ISO framework interpretation for construction
- Documentation requirements
- Compliance mapping techniques
- Audit checklist development
- Certification process overview
- **Case Study:** Implementation of ISO 9001 in a highway construction project.

Module 3: Site Inspection & Quality Control

- Site inspection methodologies
- Material verification procedures
- Workmanship assessment techniques
- Safety and compliance checks
- Inspection reporting systems
- **Case Study:** Structural defects identified during bridge inspection audits.

Module 4: Construction Defects & Non-Conformance Management

- Types of construction defects
- Root cause analysis methods
- NCR (Non-Conformance Report) system
- Corrective action planning
- Preventive strategies implementation
- **Case Study:** Concrete cracking issue in commercial building due to improper curing.

Module 5: Risk-Based Quality Auditing

- Risk identification in construction
- Probability-impact assessment
- Audit prioritization techniques
- Risk mitigation planning
- Continuous monitoring systems
- **Case Study:** Risk-based audit preventing structural failure in a high-rise project.

Module 6: Material Testing & Verification

- Standards for construction materials
- Laboratory testing procedures
- On-site material validation
- Supplier quality evaluation
- Approval and rejection criteria
- **Case Study:** Steel reinforcement quality failure in industrial warehouse construction.

Module 7: Digital QA/QC & BIM Integration

- Digital auditing tools and software
- BIM for quality control monitoring
- Data-driven inspection systems
- Cloud-based reporting platforms
- Automation in construction audits

- **Case Study:** Use of BIM to detect design-quality conflicts in a hospital project.

Module 8: Audit Reporting & Continuous Improvement

- Audit report structuring
- Data documentation standards
- KPI tracking in construction quality
- Continuous improvement models
- Stakeholder communication strategies
- **Case Study:** Improvement in project delivery quality after implementing audit feedback loops.

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

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
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com