

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 9001FSL — Quality Management in Oil and Gas

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference ENG-FSL-9001FSL • ISO Energy

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AT A GLANCE

REFERENCE	ENG-FSL-9001FSL
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Auditing and Compliance

5 chapters · 30 classes 65 marks

• 1 Fundamentals of Auditing in the Oil and Gas Industry — 6 classes

› 1.1 Define the Role of Auditing in Oil and Gas Quality Management

› 1.2 Identify Key Standards and Regulations for Auditing in Oil and Gas

› 1.3 Explain the Audit Process Flow in the Oil and Gas Sector

› 1.4 Recognize Common Audit Tools and Techniques Used in the Industry

› 1.5 Assess Risk Factors in Oil and Gas Audits

› 1.6 Develop an Action Plan for Effective Compliance Audits

• 2 ISO 9001 Standards: Application in Oil and Gas Audits — 6 classes

› 2.1 Understand ISO 9001 Standards and Their Relevance to Oil and Gas

› 2.2 Identify Key Components of ISO 9001 for Effective Auditing

› 2.3 Analyze the Role of Documentation in Quality Management Systems

› 2.4 Evaluate Compliance Requirements in Oil and Gas Operations

› 2.5 Develop a Checklist for Conducting ISO 9001 Audits

› 2.6 Implement Continuous Improvement Strategies Post-Audit

• 3 Planning and Conducting Effective Audits — 6 classes

› 3.1 Define the Objectives of an Effective Audit

› 3.2 Identify Key Regulatory Standards for Oil and Gas Audits

› 3.3 Develop an Audit Plan: Scope and Resources

› 3.4 Select and Train Audit Team Members

› 3.5 Implement Effective Audit Techniques and Tools

› 3.6 Analyze and Report Audit Findings for Compliance Improvement

• 4 Managing Non-Conformities and Corrective Actions — 6 classes

› 4.1 Identify Non-Conformities in Quality Management Systems

› 4.2 Analyze Root Causes of Non-Conformities

› 4.3 Develop Effective Corrective Action Plans

› 4.4 Implement Corrective Actions and Track Progress

› 4.5 Evaluate the Effectiveness of Corrective Actions

› 4.6 Documenting Non-Conformities and Corrective Actions

• 5 Auditor Competence and Continuous Improvement — 6 classes

› 5.1 Assess Auditor Competence through Skill Evaluation

› 5.2 Identify Key Attributes of Effective Auditors

› 5.3 Implement Continuous Improvement Strategies for Auditors

› 5.4 Develop a Personal Development Plan for Auditors

› 5.5 Foster a Culture of Feedback and Learning in Auditing Teams

› 5.6 Evaluate the Impact of Training Programs on Audit Quality

• 1 Understanding ISO 9001 Principles in the Oil and Gas Sector — 6 classes

- › 1.1 Define ISO 9001 Principles in Oil and Gas
- › 1.2 Identify Key Components of the ISO 9001 Framework
- › 1.3 Analyze the Importance of Quality Management in Oil and Gas
- › 1.4 Explore the Role of Leadership in Implementing ISO 9001
- › 1.5 Evaluate Case Studies of ISO 9001 Implementation in Oil and Gas
- › 1.6 Develop an Action Plan for Integrating ISO 9001 Principles

• 2 Implementing the ISO 9001 Framework: Key Requirements and Processes — 6 classes

- › 2.1 Define Key Components of the ISO 9001 Framework
- › 2.2 Identify Leadership Roles in Quality Management
- › 2.3 Establishing a Quality Policy and Objectives
- › 2.4 Implementing Document Control Processes
- › 2.5 Conducting Risk Assessments in Quality Management
- › 2.6 Developing an Internal Audit Plan for ISO 9001 Compliance

• 3 Quality Management System Design: Tailoring for Oil and Gas — 6 classes

- › 3.1 Assess Organizational Needs for Quality Management in Oil and Gas
- › 3.2 Identify Key Components of an Effective Quality Management System
- › 3.3 Analyze Regulatory Requirements Impacting Quality in Oil and Gas
- › 3.4 Design Quality Management Processes Tailored to Oil and Gas Operational Challenges
- › 3.5 Develop Metrics and KPIs for Quality Performance Monitoring
- › 3.6 Implement Quality Management System and Engage Stakeholders for Success

• 4 Monitoring and Measurement: Tools for Continuous Improvement — 6 classes

- › 4.1 Identify Key Performance Indicators for Quality Management
- › 4.2 Utilize Tools for Data Collection in Oil and Gas Operations
- › 4.3 Analyze Collected Data to Assess Quality Performance
- › 4.4 Implement Corrective Actions Based on Quality Measurements
- › 4.5 Develop a Continuous Improvement Plan Utilizing Feedback Mechanisms
- › 4.6 Evaluate the Effectiveness of Quality Management Tools in Practice

• 5 Leading Quality Culture: Management Commitment and Employee Engagement — 6 classes

- › 5.1 Define Quality Culture in the Oil and Gas Industry
- › 5.2 Explore the Role of Leadership in Quality Management
- › 5.3 Identify Key Strategies for Management Commitment
- › 5.4 Foster Employee Engagement through Effective Communication
- › 5.5 Implement Tools for Measuring Employee Involvement in Quality
- › 5.6 Develop an Action Plan for Sustaining a Quality Culture

• 1 Understanding ISO 9001FSL Framework and Principles — 6 classes

- › 1.1 Explore the ISO 9001FSL Framework Components
- › 1.2 Analyze the Principles of Quality Management
- › 1.3 Identify Key Leadership Roles in Quality Management
- › 1.4 Evaluate the Impact of ISO 9001FSL on Oil and Gas Sector
- › 1.5 Implement Effective Quality Management Strategies
- › 1.6 Develop Action Plans for ISO 9001FSL Certification

• 2 Leadership Roles and Responsibilities in Quality Management — 6 classes

- › 2.1 Define Leadership Roles in Quality Management
- › 2.2 Explore Responsibilities of Quality Management Leaders
- › 2.3 Identify Key Leadership Traits for Quality Success
- › 2.4 Analyze Leadership Styles in Quality Management Contexts
- › 2.5 Develop Communication Strategies for Quality Leadership
- › 2.6 Apply Leadership Frameworks to Improve Quality Outcomes

• 3 Building a Quality-Centric Culture in Oil and Gas — 6 classes

- › 3.1 Define Quality-Centric Culture in Oil and Gas
- › 3.2 Identify Key Leadership Traits for Quality Management
- › 3.3 Explore Strategies for Communicating Quality Values
- › 3.4 Implement Team Engagement Approaches for Quality Improvement
- › 3.5 Analyze Case Studies of Successful Quality-Centric Companies
- › 3.6 Develop an Action Plan for Fostering a Quality Culture

• 4 Effective Communication and Stakeholder Engagement — 6 classes

- › 4.1 Identify Key Stakeholders in Quality Management
- › 4.2 Analyze Communication Styles for Effective Engagement
- › 4.3 Develop Quality-focused Communication Strategies
- › 4.4 Practice Active Listening Techniques in Stakeholder Conversations
- › 4.5 Utilize Feedback Mechanisms for Continuous Improvement
- › 4.6 Create an Action Plan for Engaging Stakeholders in Quality Initiatives

• 5 Continuous Improvement and Leadership in Quality Management — 6 classes

- › 5.1 Define Continuous Improvement Concepts in Quality Management
- › 5.2 Identify Key Principles of Leadership in Quality Management
- › 5.3 Explore Tools for Implementing Continuous Improvement Strategies
- › 5.4 Assess the Role of Leadership in Promoting a Quality Culture
- › 5.5 Develop Action Plans for Continuous Improvement Initiatives
- › 5.6 Evaluate Leadership Techniques for Sustaining Quality Management Improvements

• 1 Understanding Performance Metrics in Oil and Gas Operations —

6 classes

- › 1.1 Define Key Performance Metrics in Oil and Gas Operations
- › 1.2 Analyze the Importance of Performance Metrics for Leadership
- › 1.3 Identify Common Performance Metrics Used in the Oil and Gas Industry
- › 1.4 Evaluate the Impact of Performance Metrics on Operational Efficiency
- › 1.5 Apply Performance Metrics to Real-World Oil and Gas Scenarios
- › 1.6 Develop an Action Plan for Implementing Performance Metric Strategies

• 2 Key Performance Indicators (KPIs) for Fossil Fuel Production —

6 classes

- › 2.1 Define Key Performance Indicators (KPIs) in Fossil Fuel Production
- › 2.2 Identify Essential KPIs for Oil and Gas Industry Stakeholders
- › 2.3 Analyze the Role of KPIs in Enhancing Operational Efficiency
- › 2.4 Develop Effective KPI Frameworks for Production Monitoring
- › 2.5 Evaluate Existing KPIs Against Industry Standards and Best Practices
- › 2.6 Implement KPI Performance Reviews to Drive Continuous Improvement

• 3 Data Collection and Analysis Techniques for Performance Evaluation —

6 classes

- › 3.1 Identify Key Performance Indicators for Oil and Gas Quality Management
- › 3.2 Explore Data Collection Methods in Oil and Gas Performance Evaluation
- › 3.3 Implement Statistical Techniques for Analyzing Performance Data
- › 3.4 Develop a Data Quality Assurance Plan for Accurate Evaluation
- › 3.5 Utilize Software Tools for Streamlining Data Analysis Processes
- › 3.6 Create Action Plans Based on Data Analysis Results to Enhance Performance

• 4 Benchmarking and Performance Comparison in Oil and Gas —

6 classes

- › 4.1 Define Benchmarking in the Oil and Gas Context
- › 4.2 Identify Key Performance Indicators for Oil and Gas
- › 4.3 Analyze Internal vs External Benchmarking Techniques
- › 4.4 Compare Performance Metrics Across Industry Standards
- › 4.5 Evaluate Tools for Performance Comparison in Oil and Gas
- › 4.6 Develop a Benchmarking Action Plan for Continuous Improvement

• 5 Implementing Performance Improvement Strategies —

6 classes

- › 5.1 Identify Key Performance Indicators for Quality Management
- › 5.2 Analyze Existing Performance Metrics in Oil and Gas Operations
- › 5.3 Develop Targeted Performance Improvement Strategies
- › 5.4 Implement Continuous Monitoring Mechanisms for Performance Improvement
- › 5.5 Evaluate the Effectiveness of Performance Improvement Initiatives
- › 5.6 Communicate Performance Outcomes and Adjust Strategies Accordingly

• 1 Fundamentals of Quality Improvement in Oil and Gas —

6 classes

- › 1.1 Define Quality Management Principles in Oil and Gas
- › 1.2 Identify Common Quality Improvement Techniques
- › 1.3 Analyze the Role of Leadership in Quality Initiatives
- › 1.4 Explore Tools for Effective Quality Assessment
- › 1.5 Develop a Quality Improvement Plan for Oil and Gas Operations
- › 1.6 Evaluate the Impact of Quality Improvement on Operational Efficiency

• 2 Identifying Quality Metrics and Performance Indicators —

6 classes

- › 2.1 Define Key Quality Metrics for Oil and Gas Operations
- › 2.2 Identify Critical Performance Indicators in Quality Management
- › 2.3 Analyze the Role of Metrics in Continuous Improvement
- › 2.4 Develop a Framework for Tracking Quality Metrics
- › 2.5 Evaluate the Effectiveness of Performance Indicators
- › 2.6 Implement Quality Metrics to Drive Strategic Decision-Making

• 3 Root Cause Analysis and Problem-Solving Techniques —

6 classes

- › 3.1 Identify Common Issues in Oil and Gas Operations
- › 3.2 Understand the Importance of Root Cause Analysis
- › 3.3 Apply the 5 Whys Technique for Problem Identification
- › 3.4 Utilize Fishbone Diagrams for Issue Visualization
- › 3.5 Develop Action Plans Based on Root Cause Findings
- › 3.6 Monitor and Evaluate the Effectiveness of Solutions

• 4 Implementing Continuous Improvement Processes —

6 classes

- › 4.1 Define Continuous Improvement and Its Importance in Quality Management
- › 4.2 Identify Key Techniques for Implementing Continuous Improvement
- › 4.3 Analyze the Role of Leadership in Fostering Continuous Improvement
- › 4.4 Develop a Step-by-Step Plan for Implementing Continuous Improvement Processes
- › 4.5 Measure and Evaluate the Impact of Continuous Improvement Initiatives
- › 4.6 Create a Continuous Improvement Culture within Your Organization

• 5 Evaluating and Sustaining Quality Improvements —

6 classes

- › 5.1 Identify Key Quality Improvement Metrics
- › 5.2 Analyze Data Trends for Quality Enhancements
- › 5.3 Implement Root Cause Analysis Techniques
- › 5.4 Develop Sustaining Strategies for Quality Management
- › 5.5 Engage Stakeholders in Quality Improvement Processes
- › 5.6 Create an Action Plan for Long-Term Quality Sustainability

• 1 Fundamentals of Quality Management Systems in Oil and Gas —

6 classes

- › 1.1 Define Quality Management Principles in Oil and Gas
- › 1.2 Explain the Importance of Quality Management Systems (QMS)
- › 1.3 Identify Key Components of an Effective QMS
- › 1.4 Analyze the Role of Leadership in Quality Management
- › 1.5 Assess Quality Improvement Methods in Oil and Gas Operations
- › 1.6 Develop Action Plans for Implementing QMS Enhancements

• 2 ISO 9001 Standards and Compliance Requirements — 6 classes

- › 2.1 Understand ISO 9001: Key Principles and Objectives
- › 2.2 Identify the Structure of ISO 9001 Standards
- › 2.3 Explore Compliance Requirements for Oil and Gas Industry
- › 2.4 Assess Quality Management System Processes
- › 2.5 Recognize Roles and Responsibilities in Quality Management
- › 2.6 Implement Continuous Improvement Practices in Compliance

• 3 Quality Management Principles and Their Application — 6 classes

- › 3.1 Explore the Fundamentals of Quality Management Principles
- › 3.2 Analyze the Impact of Quality Management on Oil and Gas Operations
- › 3.3 Identify Key Quality Management Tools and Techniques
- › 3.4 Discuss the Role of Leadership in Quality Management Practices
- › 3.5 Implement Quality Management Principles in Real-World Scenarios
- › 3.6 Evaluate the Effectiveness of Quality Management Systems in Oil and Gas

• 4 Leadership and Commitment in Quality Management — 6 classes

- › 4.1 Define Leadership Roles in Quality Management
- › 4.2 Explore the Importance of Commitment in ISO 9001
- › 4.3 Identify Key Leadership Behaviors for Quality Success
- › 4.4 Analyze Case Studies of Leadership in Quality Management
- › 4.5 Develop an Action Plan for Demonstrating Leadership Commitment
- › 4.6 Implement Quality Management Strategies as a Leader

• 5 Continuous Improvement and Risk Management — 6 classes

- › 5.1 Identify Key Principles of Continuous Improvement
- › 5.2 Analyze the Impact of Continuous Improvement in Quality Management
- › 5.3 Evaluate Tools and Techniques for Effective Risk Management
- › 5.4 Develop a Continuous Improvement Plan for Oil and Gas Operations
- › 5.5 Integrate Risk Assessment into Continuous Improvement Processes
- › 5.6 Implement a Framework for Monitoring Continuous Improvement Outcomes