

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 31000FSL — Risk Management in Oil and Gas

ISO Certification Programme



LAPT — London Academy of Professional Training

Address 85 Great Portland Street, W1W 7LT, London, United Kingdom

Email info@lapt.org

Telephone +44 7513 283044

Web lapt.org

Reference ENG-FSL-31000FSL • ISO Energy

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	ENG-FSL-31000FSL
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 Leadership and Risk Culture 5 chapters · 30 classes 65 marks	
• 1 Understanding Risk Culture in the Oil and Gas Sector — 6 classes › 1.1 Define Risk Culture in the Oil and Gas Sector › 1.2 Identify Key Components of Effective Risk Culture › 1.3 Analyze the Impact of Leadership on Risk Culture › 1.4 Evaluate Current Risk Culture Practices in Your Organization › 1.5 Develop Strategies to Enhance Risk Culture › 1.6 Implement a Risk Culture Improvement Plan • 2 Leadership Roles in Shaping Risk Culture — 6 classes › 2.1 Define Leadership's Role in Risk Culture › 2.2 Identify Key Attributes of Effective Risk Leaders › 2.3 Explore Case Studies of Successful Risk Leadership › 2.4 Analyze the Impact of Leadership on Risk Perception › 2.5 Develop Strategies for Enhancing Risk Communication › 2.6 Create an Action Plan for Leading by Example in Risk Culture • 3 Assessing and Measuring Organizational Risk Culture — 6 classes › 3.1 Define and Analyze Organizational Risk Culture › 3.2 Identify Key Components of Risk Culture Assessment › 3.3 Explore Tools for Measuring Risk Perception › 3.4 Develop Surveys and Feedback Mechanisms for Employees › 3.5 Analyze Case Studies of Risk Culture in Oil and Gas › 3.6 Formulate Action Plans to Enhance Risk Culture	• 4 Embedding Risk Management Practices in Leadership Strategies — 6 classes › 4.1 Define Key Concepts of Risk Management in Leadership › 4.2 Identify Core Elements of a Risk Culture in Oil and Gas › 4.3 Assess Current Leadership Strategies for Risk Management › 4.4 Develop a Framework for Integrating Risk Management Practices › 4.5 Implement Effective Communication Strategies for Risk Awareness › 4.6 Create an Action Plan for Sustaining Risk Management Initiatives • 5 Fostering a Proactive Risk Management Environment — 6 classes › 5.1 Identify Key Components of a Proactive Risk Management Culture › 5.2 Analyze the Role of Leadership in Promoting Risk Awareness › 5.3 Develop Effective Communication Strategies for Risk Management › 5.4 Implement Training Programs to Enhance Risk Management Skills › 5.5 Foster Collaboration Across Teams to Improve Risk Responses › 5.6 Evaluate and Measure the Success of Risk Management Initiatives

• 1 Fundamentals of Risk Management in Oil and Gas Operations — 6 classes

- › 1.1 Identify Key Risk Factors in Oil and Gas Operations
- › 1.2 Assess the Impact of Risks on Operational Efficiency
- › 1.3 Develop Risk Mitigation Strategies for Common Scenarios
- › 1.4 Implement Tools and Techniques for Risk Analysis
- › 1.5 Communicate Risk Management Protocols to Stakeholders
- › 1.6 Evaluate the Effectiveness of Risk Management Measures

• 2 Identifying and Analyzing Risks in Oil and Gas Projects — 6 classes

- › 2.1 Define Key Risk Concepts in Oil and Gas Projects
- › 2.2 Identify Common Risks Specific to Oil and Gas Operations
- › 2.3 Utilize Risk Assessment Tools for Effective Analysis
- › 2.4 Map Risk Identification Processes for Project Lifecycle
- › 2.5 Evaluate Impact and Likelihood of Identified Risks
- › 2.6 Develop Action Plans Based on Risk Analysis Outcomes

• 3 Risk Assessment Techniques and Tools in Energy Sector — 6 classes

- › 3.1 Identify Key Risk Assessment Techniques in the Energy Sector
- › 3.2 Analyze Qualitative Risk Assessment Tools for Oil and Gas
- › 3.3 Evaluate Quantitative Risk Assessment Methods Applicable to Energy Projects
- › 3.4 Implement Scenario Analysis to Anticipate Risks in Oil and Gas Operations
- › 3.5 Utilize Bow-tie Analysis for Effective Risk Communication
- › 3.6 Apply Risk Matrix Tools to Prioritize Energy Sector Risks

• 4 Implementing Risk Mitigation Strategies in Oil and Gas Projects — 6 classes

- › 4.1 Identify Key Risks in Oil and Gas Projects
- › 4.2 Analyze Risk Impact and Probability
- › 4.3 Develop Risk Mitigation Plans for Operations
- › 4.4 Implement Risk Control Measures in Project Phases
- › 4.5 Monitor and Review Risk Management Effectiveness
- › 4.6 Communicate Risk Management Strategies to Stakeholders

• 5 Monitoring, Reviewing, and Improving Risk Management Practices — 6 classes

- › 5.1 Assess Current Risk Management Practices
- › 5.2 Identify Key Performance Indicators for Risk Management
- › 5.3 Develop a Monitoring Framework for Risk Management
- › 5.4 Conduct Regular Reviews of Risk Management Effectiveness
- › 5.5 Analyze Findings and Lessons Learned from Reviews
- › 5.6 Implement Continuous Improvement Strategies in Risk Management

• 1 Understanding ISO 31000 Framework in Oil and Gas — 6 classes

- › 1.1 Define the ISO 31000 Framework and Its Relevance to Oil and Gas
- › 1.2 Identify Key Principles of Risk Management in the ISO 31000 Standard
- › 1.3 Analyze the Structure of the ISO 31000 Framework for Effective Risk Management
- › 1.4 Evaluate the Risk Management Process Stages Within ISO 31000
- › 1.5 Implement Risk Assessment Techniques Derived from ISO 31000 in Oil and Gas Projects
- › 1.6 Develop a Risk Management Plan Utilizing the ISO 31000 Framework for an Oil and Gas Scenario

• 2 Identifying and Assessing Risks in Fossil Fuel Projects — 6 classes

- › 2.1 Define Key Concepts in Risk Management for Fossil Fuel Projects
- › 2.2 Identify Common Risks Associated with Oil and Gas Operations
- › 2.3 Analyze Risk Sources in Fossil Fuel Projects Using Case Studies
- › 2.4 Assess the Impact of Identified Risks on Project Objectives
- › 2.5 Prioritize Risks Using Qualitative and Quantitative Methods
- › 2.6 Develop Risk Mitigation Strategies for Oil and Gas Projects

• 3 Implementing Risk Mitigation Strategies in Oil and Gas — 6 classes

- › 3.1 Identify Key Risks in Oil and Gas Operations
- › 3.2 Assess Risk Impact and Likelihood Using Appropriate Metrics
- › 3.3 Develop Targeted Risk Mitigation Strategies
- › 3.4 Evaluate the Effectiveness of Mitigation Strategies
- › 3.5 Communicate Risk Mitigation Plans to Stakeholders
- › 3.6 Review and Adjust Risk Management Approaches Regularly

• 4 Monitoring and Reviewing Risk Management Processes — 6 classes

- › 4.1 Evaluate Current Risk Management Processes
- › 4.2 Identify Key Performance Indicators for Monitoring
- › 4.3 Develop a Risk Management Review Schedule
- › 4.4 Utilize Feedback Mechanisms to Enhance Processes
- › 4.5 Analyze Case Studies of Successful Risk Monitoring
- › 4.6 Implement Continuous Improvement Strategies in Risk Management

• 5 Practical Case Studies in Oil and Gas Risk Management — 6 classes

- › 5.1 Analyze Historical Case Studies in Oil and Gas Risk Management
- › 5.2 Identify Key Risk Factors in Oil and Gas Projects
- › 5.3 Assess the Impact of Risk Management Strategies on Project Outcomes
- › 5.4 Develop a Comprehensive Risk Assessment Framework
- › 5.5 Evaluate Lessons Learned from Successful and Unsuccessful Projects
- › 5.6 Create a Risk Management Plan Based on Case Study Insights

• 1 Fundamentals of Risk Assessment in Oil and Gas — 6 classes

- › 1.1 Define Key Terms in Risk Assessment for Oil and Gas
- › 1.2 Identify Sources of Risk in Oil and Gas Operations
- › 1.3 Explore Qualitative Risk Assessment Techniques
- › 1.4 Apply Quantitative Risk Assessment Methods
- › 1.5 Analyze Case Studies in Oil and Gas Risk Management
- › 1.6 Develop a Risk Assessment Action Plan for a Real-World Scenario

• 2 Identifying Hazards in Fossil Fuel Operations — 6 classes

- › 2.1 Define Key Hazards in Fossil Fuel Operations
- › 2.2 Explore Common Risk Factors in Oil and Gas Industries
- › 2.3 Examine Historical Case Studies of Hazard Identifications
- › 2.4 Implement Hazard Identification Techniques and Tools
- › 2.5 Assess the Impact of Hazards on Operations and Safety
- › 2.6 Develop a Hazard Identification Action Plan for Oil and Gas Projects

• 3 Qualitative Risk Assessment Methods — 6 classes

- › 3.1 Identify Key Qualitative Risk Assessment Techniques in Oil and Gas
- › 3.2 Analyze the Role of Stakeholders in Qualitative Risk Assessments
- › 3.3 Evaluate Risk Impact Using Qualitative Measurements
- › 3.4 Develop Risk Scenarios for Oil and Gas Operations
- › 3.5 Conduct a Qualitative Risk Assessment Workshop
- › 3.6 Document and Communicate Qualitative Risk Assessment Findings

• 4 Quantitative Risk Assessment Techniques — 6 classes

- › 4.1 Define Key Concepts in Quantitative Risk Assessment
- › 4.2 Explore Probability and Impact Analysis Methods
- › 4.3 Analyze Risk Scenarios Using Quantitative Models
- › 4.4 Utilize Monte Carlo Simulation for Risk Evaluation
- › 4.5 Interpret Results from Quantitative Risk Assessments
- › 4.6 Implement Risk Mitigation Strategies Based on Quantitative Findings

• 5 Implementing Risk Management Strategies in Oil and Gas — 6 classes

- › 5.1 Identify Key Risk Factors in Oil and Gas Operations
- › 5.2 Analyze the Impact of Potential Risks on Project Outcomes
- › 5.3 Evaluate Risk Assessment Methodologies Applicable to Oil and Gas
- › 5.4 Develop Mitigation Strategies for Identified Risks
- › 5.5 Implement Risk Management Plans in Oil and Gas Projects
- › 5.6 Review and Adapt Risk Management Strategies for Continuous Improvement

• 1 Foundations of Risk Management in Oil and Gas — 6 classes

- › 1.1 Define and Understand Key Risk Management Terms in Oil and Gas
- › 1.2 Identify Common Risks and Hazards in the Oil and Gas Industry
- › 1.3 Explore the Importance of a Risk Management Framework
- › 1.4 Analyze the Role of Leadership in Risk Management Practices
- › 1.5 Evaluate Risk Assessment Methodologies Specific to Oil and Gas
- › 1.6 Develop a Risk Mitigation Strategy for an Oil and Gas Project

• 2 Identifying and Analyzing Risks in Fossil Fuel Operations — 6 classes

- › 2.1 Define Key Risks in Fossil Fuel Operations
- › 2.2 Examine Historical Risk Events in Oil and Gas
- › 2.3 Identify Emerging Risks in Fossil Fuel Operations
- › 2.4 Analyze the Impact of Environmental Risks
- › 2.5 Assess Human Factors Contributing to Risks
- › 2.6 Develop a Risk Analysis Framework for Operations

• 3 Risk Assessment Techniques for the Oil and Gas Sector — 6 classes

- › 3.1 Identify Key Risk Assessment Techniques in the Oil and Gas Sector
- › 3.2 Analyze the Importance of Quantitative Risk Assessment
- › 3.3 Explore Qualitative Risk Assessment Methods for Effective Evaluation
- › 3.4 Apply Risk Matrix Tools to Prioritize Risks
- › 3.5 Evaluate Scenario Analysis for Risk Management Planning
- › 3.6 Develop a Comprehensive Risk Assessment Report for Stakeholders

• 4 Developing Risk Mitigation Strategies in Oil and Gas Projects — 6 classes

- › 4.1 Identify Key Risks in Oil and Gas Projects
- › 4.2 Assess Risk Impact and Likelihood in Operations
- › 4.3 Prioritize Risks for Effective Mitigation Strategies
- › 4.4 Develop Targeted Mitigation Strategies for High-Priority Risks
- › 4.5 Implement Risk Mitigation Plans in Project Management
- › 4.6 Monitor and Review Risk Mitigation Effectiveness

• 5 Integrating Risk Management into Organizational Culture — 6 classes

- › 5.1 Define Risk Management within Organizational Culture
- › 5.2 Identify Key Components of a Risk Management Framework
- › 5.3 Analyze the Role of Leadership in Risk Management
- › 5.4 Develop Strategies for Integrating Risk Management Practices
- › 5.5 Create a Communication Plan for Risk Management Initiatives
- › 5.6 Evaluate the Impact of Risk Management on Organizational Performance

• 1 Understanding Strategic Risk in the Oil and Gas Sector — 6 classes

- › 1.1 Define Strategic Risk in the Oil and Gas Sector
- › 1.2 Identify Key Sources of Strategic Risk
- › 1.3 Analyze Case Studies of Strategic Failures
- › 1.4 Assess Impacts of Strategic Risks on Operations
- › 1.5 Develop Mitigation Strategies for Identified Risks
- › 1.6 Implement a Strategic Risk Management Framework

• 2 Identifying and Assessing Strategic Risks — 6 classes

- › 2.1 Define Strategic Risks in Oil and Gas Operations
- › 2.2 Identify Key Sources of Strategic Risks in the Industry
- › 2.3 Analyze the Impact of Strategic Risks on Business Objectives
- › 2.4 Evaluate the Likelihood and Consequences of Identified Risks
- › 2.5 Prioritize Strategic Risks for Mitigation Strategies
- › 2.6 Develop an Action Plan for Addressing High-Priority Risks

• 3 Implementing Risk Mitigation Strategies — 6 classes

- › 3.1 Identify Key Risk Areas in Oil and Gas Operations
- › 3.2 Assess the Impact of Risks on Organizational Objectives
- › 3.3 Develop Comprehensive Risk Mitigation Plans
- › 3.4 Implement Monitoring Mechanisms for Risk Management
- › 3.5 Communicate Risk Mitigation Strategies Across Teams
- › 3.6 Evaluate the Effectiveness of Risk Mitigation Strategies

• 4 Monitoring and Reviewing Risk Management Practices — 6 classes

- › 4.1 Identify Key Indicators for Risk Management Effectiveness
- › 4.2 Develop Metrics to Measure Risk Management Practices
- › 4.3 Analyze Data for Continuous Improvement in Risk Strategies
- › 4.4 Implement Feedback Mechanisms for Stakeholder Input
- › 4.5 Conduct Regular Reviews of Risk Management Frameworks
- › 4.6 Create an Action Plan for Enhancing Risk Monitoring Processes

• 5 Leadership in Risk Management: Building a Risk-Aware Culture

— 6 classes

- › 5.1 Define the Core Principles of Risk Management in Leadership
- › 5.2 Identify Key Elements of a Risk-Aware Culture
- › 5.3 Assess Leadership Roles in Promoting Risk Awareness
- › 5.4 Develop Strategies for Effective Communication of Risk Policies
- › 5.5 Create Engagement Tactics to Involve Employees in Risk Management
- › 5.6 Implement Action Plans for Sustaining a Risk-Aware Organizational Culture