

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 45001NMM — Occupational Health and Safety in Non-Metallic Materials Manufacturing

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 MTL-NMM-45001NMM • ISO Materials

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AT A GLANCE

REFERENCE	MTL-NMM-45001NMM
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Implementation Strategies

5 chapters · 30 classes 65 marks

• 1 Understanding ISO 45001 Principles in Non-Metallic Materials Manufacturing — 6 classes

› 1.1 Define and Explain ISO 45001 Principles in Context

› 1.2 Identify Key Components of Occupational Health and Safety Management

› 1.3 Analyze Roles and Responsibilities for Effective Implementation

› 1.4 Evaluate Risk Assessment Techniques in Non-Metallic Manufacturing

› 1.5 Develop Action Plans for ISO 45001 Compliance

› 1.6 Integrate Continuous Improvement Strategies in Health and Safety Practices

• 2 Identifying Hazards and Assessing Risks in Non-Metallic Manufacturing Process — 6 classes

› 2.1 Recognize Common Hazards in Non-Metallic Manufacturing

› 2.2 Utilize Risk Assessment Tools for Hazard Identification

› 2.3 Analyze the Impact of Identified Hazards on Workforce Safety

› 2.4 Develop Risk Control Strategies for Non-Metallic Processes

› 2.5 Implement Monitoring Techniques for Hazardous Conditions

› 2.6 Evaluate the Effectiveness of Risk Mitigation Measures

• 3 Developing and Communicating an Occupational Health and Safety Policy — 6 classes

› 3.1 Analyze Key Components of an Effective Occupational Health and Safety Policy

› 3.2 Identify Stakeholders in Non-Metallic Materials Manufacturing

› 3.3 Develop Clear Objectives for Health and Safety Policy Implementation

› 3.4 Formulate Strategies for Employee Engagement in Health and Safety Practices

› 3.5 Design a Communication Plan for Promoting the Health and Safety Policy

› 3.6 Evaluate the Effectiveness of the Occupational Health and Safety Policy Implementation

• 4 Implementing Control Measures and Operational Planning — 6 classes

› 4.1 Assessing Risks — Identifying Hazards in Non-Metallic Materials Manufacturing

› 4.2 Evaluating Control Measures — Selecting Appropriate Strategies for Risk Mitigation

› 4.3 Designing Operational Plans — Structuring Effective Safety Protocols

› 4.4 Communicating Safety Procedures — Ensuring Clarity and Compliance Among Teams

› 4.5 Implementing Monitoring Systems — Tracking the Effectiveness of Control Measures

› 4.6 Reviewing and Adjusting Plans — Continuous Improvement in Occupational Health and Safety

• 5 Monitoring, Reviewing and Improving Health and Safety Performance — 6 classes

› 5.1 Establishing Key Performance Indicators for Health and Safety

› 5.2 Conducting Effective Health and Safety Audits

› 5.3 Analyzing Incident Reports for Continuous Improvement

› 5.4 Implementing Feedback Mechanisms for Employee Engagement

› 5.5 Leveraging Technology for Real-Time Safety Monitoring

› 5.6 Developing Action Plans for Enhanced Safety Performance

• 1 Understanding ISO 45001 and its Importance in Non-Metallic Materials Manufacturing — 6 classes

- › 1.1 Explore the Core Principles of ISO 45001
- › 1.2 Identify Key Stakeholders in Non-Metallic Materials Manufacturing
- › 1.3 Analyze the Benefits of Implementing ISO 45001
- › 1.4 Examine the Risk Assessment Process in ISO 45001
- › 1.5 Develop Strategies for Promoting a Safety Culture
- › 1.6 Evaluate Real-World Case Studies of ISO 45001 Implementation

• 2 Key Principles of Occupational Health and Safety Management Systems — 6 classes

- › 2.1 Understand the Importance of ISO 45001 in Health and Safety
- › 2.2 Identify Key Components of Occupational Health and Safety Management Systems
- › 2.3 Analyze Legal Requirements Impacting Occupational Health and Safety
- › 2.4 Evaluate Risk Assessment Processes in Non-Metallic Materials Manufacturing
- › 2.5 Implement Effective Communication Strategies for Occupational Safety
- › 2.6 Develop an Action Plan for Continuous Improvement in Safety Management

• 3 Risk Assessment and Hazard Identification in Non-Metallic Materials Processes — 6 classes

- › 3.1 Define Risk Assessment Concepts in Non-Metallic Materials
- › 3.2 Identify Common Hazards in Non-Metallic Materials Manufacturing
- › 3.3 Evaluate Risks Associated with Non-Metallic Materials Processes
- › 3.4 Implement Hazard Identification Techniques in the Workplace
- › 3.5 Analyze Control Measures for Identified Risks
- › 3.6 Develop an Action Plan for Risk Mitigation in Non-Metallic Materials

• 4 Leadership Commitment and Worker Participation in Health and Safety — 6 classes

- › 4.1 Define Leadership's Role in Health and Safety Management
- › 4.2 Identify Key Principles of ISO 45001 for Organizational Leadership
- › 4.3 Explore the Importance of Worker Participation in Safety Initiatives
- › 4.4 Assess Leadership Commitment to Health and Safety Standards
- › 4.5 Develop Strategies for Engaging Workers in Safety Practices
- › 4.6 Create a Plan for Enhancing Leadership and Worker Collaboration

• 5 Continuous Improvement and Compliance Monitoring in ISO 45001 — 6 classes

- › 5.1 Identify Key Elements of Continuous Improvement in ISO 45001
- › 5.2 Analyze the Role of Leadership in Promoting a Safety Culture
- › 5.3 Explore Tools and Techniques for Monitoring Compliance
- › 5.4 Develop a Continuous Improvement Plan for Occupational Health and Safety
- › 5.5 Evaluate the Effectiveness of Compliance Monitoring Strategies
- › 5.6 Create an Action Plan for Integrating Continuous Improvement in Practices

• 1 Understanding the Principles of Occupational Health and Safety Leadership in Non-Metallic Materials — 6 classes

- › 1.1 Define Key Concepts of Occupational Health and Safety Leadership
- › 1.2 Explore the Role of Leadership in Promoting Safety Culture
- › 1.3 Identify Legal Requirements and Standards in Non-Metallic Materials Manufacturing
- › 1.4 Assess Risks and Hazards in the Workplace
- › 1.5 Develop Strategies for Effective Communication in Health and Safety
- › 1.6 Implement a Continuous Improvement Plan for Health and Safety Practices

• 2 Key Responsibilities and Roles of Leaders in Health and Safety Management Systems — 6 classes

- › 2.1 Define the Role of Leadership in Occupational Health and Safety
- › 2.2 Identify Key Responsibilities of Health and Safety Leaders
- › 2.3 Explore Leadership Styles and Their Impact on Safety Culture
- › 2.4 Analyze Effective Communication Strategies for Health and Safety Leadership
- › 2.5 Assess the Importance of Accountability in Health and Safety Management
- › 2.6 Develop Action Plans for Implementing Health and Safety Leadership Practices

• 3 Developing a Safety Culture: Strategies for Influencing Behavior and Attitudes — 6 classes

- › 3.1 Identify Key Elements of a Positive Safety Culture
- › 3.2 Evaluate Current Attitudes and Behaviors Towards Safety
- › 3.3 Implement Effective Communication Strategies for Safety Messaging
- › 3.4 Foster Employee Engagement through Safety Participation
- › 3.5 Develop Targeted Training Programs to Shift Safety Mindsets
- › 3.6 Assess Impact of Strategies on Safety Culture Transformation

• 4 Risk Assessment and Leadership: Driving Safety Performance Through Proactive Measures — 6 classes

- › 4.1 Understand Key Concepts of Risk Assessment in Safety Leadership
- › 4.2 Identify Common Hazards in Non-Metallic Materials Manufacturing
- › 4.3 Analyze Risk Levels Using Quantitative and Qualitative Methods
- › 4.4 Develop Proactive Risk Mitigation Strategies
- › 4.5 Implement Safety Measures: Creating a Culture of Accountability
- › 4.6 Evaluate and Communicate Safety Performance Metrics Effectively

• 5 Continuous Improvement in Health and Safety: Metrics, Evaluation, and Leadership Commitment — 6 classes

- › 5.1 Analyze Current Health and Safety Metrics
- › 5.2 Evaluate the Effectiveness of Existing Safety Protocols
- › 5.3 Identify Key Performance Indicators for Safety Improvement
- › 5.4 Develop a Continuous Improvement Action Plan
- › 5.5 Engage Leadership in Safety Commitment Strategies
- › 5.6 Communicate Changes and Monitor Impact on Safety Culture

• 1 Understanding ISO 45001 Framework and Its Impact on Legal Compliance — 6 classes

- › 1.1 Explore the ISO 45001 Framework and Its Key Components
- › 1.2 Identify Legal Compliance Requirements Under ISO 45001
- › 1.3 Analyze the Impact of Non-Compliance on Occupational Health and Safety
- › 1.4 Assess the Roles and Responsibilities of Leadership in Compliance
- › 1.5 Implement Strategies for Achieving ISO 45001 Compliance
- › 1.6 Evaluate Case Studies Demonstrating ISO 45001 Compliance in Action

• 2 Key UK Legislation and Regulations Governing Occupational Health and Safety — 6 classes

- › 2.1 Identify Key UK Legislation on Occupational Health and Safety
- › 2.2 Understand Duties of Employers Under Health and Safety at Work Act
- › 2.3 Explore Regulations Affecting Non-Metallic Materials Manufacturing
- › 2.4 Analyze Risk Assessment Requirements in UK Legislation
- › 2.5 Examine Compliance Obligations for Health and Safety Management Systems
- › 2.6 Implement Best Practices for Meeting Legal Responsibilities

• 3 Roles and Responsibilities of Employers and Employees in Compliance — 6 classes

- › 3.1 Identify Employer Responsibilities in Health and Safety Compliance
- › 3.2 Define Employee Roles in Promoting Safety Practices
- › 3.3 Explore Legal Frameworks Governing Workplace Safety
- › 3.4 Assess the Importance of Effective Communication in Health and Safety
- › 3.5 Implement Strategies for Collaborative Safety Management
- › 3.6 Evaluate Case Studies of Compliance Failures and Lessons Learned

• 4 Risk Assessment Processes and Legal Obligations — 6 classes

- › 4.1 Identify Key Legal Obligations in Occupational Health and Safety
- › 4.2 Analyze the Importance of Risk Assessment in Non-Metallic Materials Manufacturing
- › 4.3 Evaluate Risk Assessment Methodologies and Their Applications
- › 4.4 Develop a Risk Assessment Plan for Non-Metallic Materials Processes
- › 4.5 Implement Risk Control Measures and Monitor Effectiveness
- › 4.6 Review Legal Compliance and Continuous Improvement Strategies

• 5 Monitoring Compliance and Continuous Improvement Strategies — 6 classes

- › 5.1 Evaluate Current Compliance Monitoring Practices
- › 5.2 Identify Key Compliance Indicators for Non-Metallic Manufacturing
- › 5.3 Develop a Continuous Improvement Framework
- › 5.4 Implement Effective Feedback Mechanisms for Compliance
- › 5.5 Analyze Compliance Data to Drive Improvement Decisions
- › 5.6 Foster a Culture of Safety and Compliance in the Workplace

• 1 Introduction to Risk Assessment in Non-Metallic Materials Manufacturing — 6 classes

- › 1.1 Define Key Concepts in Risk Assessment
- › 1.2 Identify Common Risks in Non-Metallic Materials Manufacturing
- › 1.3 Explore Risk Assessment Methodologies
- › 1.4 Analyze Case Studies of Risk Assessment Applications
- › 1.5 Develop a Risk Assessment Matrix for Non-Metallic Materials
- › 1.6 Create an Action Plan for Mitigating Identified Risks

• 2 Identifying Hazards in Non-Metallic Materials Operations — 6 classes

- › 2.1 Recognize Common Hazards in Non-Metallic Materials Operations
- › 2.2 Analyze Risk Factors Associated with Machinery and Equipment
- › 2.3 Assess Chemical Hazards in Material Manufacturing Processes
- › 2.4 Identify Biological Hazards in Workplace Environments
- › 2.5 Evaluate Ergonomic Risks in Non-Metallic Material Workflows
- › 2.6 Develop Hazard Identification Strategies and Action Plans

• 3 Assessing and Evaluating Risks in Manufacturing Environments — 6 classes

- › 3.1 Identify Hazards in Non-Metallic Materials Manufacturing
- › 3.2 Analyze Risk Factors in Manufacturing Processes
- › 3.3 Evaluate Potential Impacts of Identified Risks
- › 3.4 Prioritize Risks Based on Severity and Likelihood
- › 3.5 Develop Mitigation Strategies for High-Priority Risks
- › 3.6 Implement and Monitor Risk Management Plans in the Workplace

• 4 Implementing Control Measures and Mitigation Strategies — 6 classes

- › 4.1 Identify Key Control Measures for Occupational Hazards
- › 4.2 Evaluate the Effectiveness of Current Safety Protocols
- › 4.3 Develop Mitigation Strategies for High-Risk Scenarios
- › 4.4 Implementing Control Measures in the Workplace
- › 4.5 Monitor and Review Control Measures Regularly
- › 4.6 Communicate Safety Changes and Train Staff Effectively

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

- › 5.1 Assess Current Risk Management Practices
- › 5.2 Identify Key Performance Indicators for Safety
- › 5.3 Implement Effective Monitoring Techniques
- › 5.4 Conduct Regular Risk Review Meetings
- › 5.5 Analyze Risks and Identify Improvement Opportunities
- › 5.6 Develop an Action Plan for Continuous Improvement

• 1 Understanding Safety Performance Metrics in Non-Metallic Materials Manufacturing — 6 classes

- › 1.1 Define Safety Performance Metrics in Non-Metallic Materials Manufacturing
- › 1.2 Identify Key Indicators of Safety Performance
- › 1.3 Analyze Safety Data: Tools and Techniques
- › 1.4 Evaluate the Impact of Safety Metrics on Workplace Culture
- › 1.5 Develop a Safety Performance Monitoring Plan
- › 1.6 Implement Continuous Improvement Strategies for Safety Metrics

• 2 Key Indicators: Identifying Relevant Safety Metrics — 6 classes

- › 2.1 Define Key Safety Performance Metrics for Non-Metallic Materials
- › 2.2 Analyze the Importance of Leading vs. Lagging Indicators in Safety
- › 2.3 Explore Common Safety Metrics Used in the Manufacturing Sector
- › 2.4 Develop Criteria for Selecting Relevant Safety Metrics for Your Organization
- › 2.5 Create a Safety Metrics Dashboard for Real-Time Performance Monitoring
- › 2.6 Evaluate the Effectiveness of Safety Performance Metrics in Driving Improvements

• 3 Data Collection Methods for Safety Performance Metrics — 6 classes

- › 3.1 Identify Key Data Sources for Safety Metrics
- › 3.2 Utilize Qualitative Data Collection Techniques
- › 3.3 Implement Quantitative Data Collection Methods
- › 3.4 Analyze Data Trends for Safety Performance
- › 3.5 Interpret Collected Data for Decision Making
- › 3.6 Develop an Action Plan Based on Safety Metrics

• 4 Analyzing Safety Metrics for Continuous Improvement — 6 classes

- › 4.1 Define Key Safety Metrics for Non-Metallic Manufacturing
- › 4.2 Collect Data on Safety Performance: Tools and Techniques
- › 4.3 Analyze Safety Metrics Trends to Identify Patterns
- › 4.4 Benchmark Safety Performance Against Industry Standards
- › 4.5 Develop Action Plans Based on Safety Metrics Analysis
- › 4.6 Present Findings and Recommendations for Continuous Improvement

• 5 Reporting and Communicating Safety Performance Metrics to Leadership — 6 classes

- › 5.1 Define Key Safety Performance Metrics for Non-Metallic Materials Manufacturing
- › 5.2 Analyze the Importance of Accurate Data Collection in Safety Metrics Reporting
- › 5.3 Identify Effective Communication Strategies for Safety Metrics with Leadership
- › 5.4 Create Visual Tools to Present Safety Performance Data Clearly
- › 5.5 Develop a Reporting Framework for Regular Safety Performance Updates
- › 5.6 Assess the Impact of Safety Metrics Reporting on Organizational Culture and Leadership Engagement