

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 7176 — Wheelchairs Series

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference HL-AGE-7176 • ISO Health

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	HL-AGE-7176
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Developing Training Programs

5 chapters · 30 classes 45 marks

• 1 Understanding ISO 7176 Standards for Wheelchair Design — 6 classes

› 1.1 Explain the Importance of ISO 7176 Standards in Wheelchair Design

› 1.2 Identify Key Components of ISO 7176 Standards

› 1.3 Analyze the Impact of ISO 7176 Compliance on User Safety

› 1.4 Compare ISO 7176 Standards with Other International Wheelchair Guidelines

› 1.5 Evaluate Real-Life Case Studies of ISO 7176 Implementation

› 1.6 Design a Training Program to Educate Stakeholders on ISO 7176 Standards

• 2 Assessing User Needs and Preferences in Wheelchair Design — 6 classes

› 2.1 Identify User Demographics for Wheelchair Design

› 2.2 Analyze Functional Requirements of Wheelchair Users

› 2.3 Evaluate User Preferences in Mobility and Comfort

› 2.4 Conduct Surveys and Interviews with Potential Users

› 2.5 Interpret Data to Formulate Design Recommendations

› 2.6 Create a User-Centric Design Proposal for Wheelchairs

• 3 Training Techniques for Wheelchair Provision and User Education — 6 classes

› 3.1 Identify Key Methods for Effective Wheelchair Training

› 3.2 Design Engaging User Education Materials for Wheelchair Users

› 3.3 Implement Interactive Training Techniques for Wheelchair Provision

› 3.4 Assess User Needs and Adapt Training Approaches Accordingly

› 3.5 Develop Evaluation Strategies to Measure Training Effectiveness

› 3.6 Facilitate Peer Support Mechanisms in Wheelchair User Education

• 4 Implementation Strategies for Wheelchair Programs in Health Services — 6 classes

› 4.1 Assess Current Needs for Wheelchair Program Implementation

› 4.2 Identify Key Stakeholders and Their Roles in Implementation

› 4.3 Create a Step-by-Step Implementation Plan for Wheelchair Services

› 4.4 Develop Effective Training Materials for Staff and Users

› 4.5 Evaluate the Impact of Wheelchair Programs on Patient Outcomes

› 4.6 Establish a Feedback Mechanism for Continuous Program Improvement

• 5 Evaluating and Improving Training Programs for Optimal Outcomes — 6 classes

› 5.1 Identify Key Metrics for Training Effectiveness

› 5.2 Conduct a Needs Assessment to Pinpoint Improvement Areas

› 5.3 Analyze Participant Feedback to Gauge Training Impact

› 5.4 Implement Assessment Tools to Measure Learning Outcomes

› 5.5 Develop Strategies for Continuous Training Enhancement

› 5.6 Create an Action Plan for Future Training Initiatives

• 1 Understanding ISO Standards in Healthcare: Overview and Importance — 6 classes

- › 1.1 Define ISO Standards and Their Role in Healthcare
- › 1.2 Explore the Key Components of ISO 7176 - Wheelchairs Series
- › 1.3 Analyze the Importance of Compliance with ISO Standards
- › 1.4 Identify Benefits of ISO Certification for Healthcare Providers
- › 1.5 Evaluate Case Studies on ISO Implementation in Wheelchair Services
- › 1.6 Develop a Plan for Integrating ISO Standards in Your Practice

• 2 The Evolution of ISO 7176: Wheelchair Series and Its Context — 6 classes

- › 2.1 Analyze the Historical Context of ISO 7176
- › 2.2 Identify Key Milestones in the Development of ISO 7176
- › 2.3 Explore the Structure of ISO 7176 Standards
- › 2.4 Examine the Impact of ISO 7176 on Wheelchair Design
- › 2.5 Discuss Contemporary Challenges in ISO 7176 Implementation
- › 2.6 Propose Enhancements for Future ISO 7176 Standards

• 3 Key Components of ISO 7176: Standards for Wheelchair Design and Testing — 6 classes

- › 3.1 Identify Key Components of ISO 7176 for Wheelchair Design
- › 3.2 Explain the Importance of Testing Standards in Wheelchair Safety
- › 3.3 Analyze Design Criteria for Wheelchair Stability and Mobility
- › 3.4 Evaluate the Testing Methods for Wheelchair Performance
- › 3.5 Compare Compliance Requirements with ISO 7176 Standards
- › 3.6 Apply ISO 7176 Standards to Real-World Wheelchair Design Scenarios

• 4 Regulatory Compliance and Quality Assurance in Wheelchair Manufacturing — 6 classes

- › 4.1 Understand ISO 7176 Standards for Wheelchairs
- › 4.2 Identify Key Regulatory Compliance Requirements
- › 4.3 Explore Quality Assurance Processes in Manufacturing
- › 4.4 Analyze the Impact of Non-Compliance on Safety
- › 4.5 Implement Quality Control Measures in Production
- › 4.6 Evaluate Case Studies of Successful Compliance in the Industry

• 5 Future Trends and Innovations in ISO Standards for Aging and Wheelchairs — 6 classes

- › 5.1 Explore Emerging Technologies in Wheelchair Design
- › 5.2 Analyze the Impact of Aging Population on ISO Standards
- › 5.3 Evaluate Current ISO Standards Related to Mobility Devices
- › 5.4 Identify Future Innovations in Wheelchair Functionality
- › 5.5 Discuss the Role of Stakeholders in Shaping ISO Standards
- › 5.6 Develop a Proposal for a New ISO Standard in Wheelchair Accessibility

• 1 Understanding Leadership in Wheelchair Services — 6 classes

- › 1.1 Define Leadership Roles in Wheelchair Services
- › 1.2 Identify Key Strategic Initiatives for Improvement
- › 1.3 Analyze Effective Communication Strategies for Leaders
- › 1.4 Explore Team Dynamics in Wheelchair Service Management
- › 1.5 Develop a Leadership Action Plan for Service Enhancement
- › 1.6 Evaluate Outcomes of Leadership Strategies in Practice

• 2 Strategic Planning for Wheelchair Accessibility — 6 classes

- › 2.1 Assess Current Wheelchair Accessibility Standards
- › 2.2 Identify Key Stakeholders in Strategic Planning
- › 2.3 Develop a Vision for Wheelchair Accessibility
- › 2.4 Set Measurable Goals for Accessibility Improvement
- › 2.5 Create a Strategic Action Plan for Implementation
- › 2.6 Evaluate and Adapt Strategies for Continuous Improvement

• 3 Stakeholder Engagement in Wheelchair Design and Usage — 6 classes

- › 3.1 Identify Key Stakeholders in Wheelchair Design
- › 3.2 Analyze Stakeholder Needs and Expectations
- › 3.3 Explore Effective Communication Strategies with Stakeholders
- › 3.4 Engage Stakeholders in Collaborative Design Workshops
- › 3.5 Evaluate Stakeholder Feedback for Design Improvements
- › 3.6 Develop a Stakeholder Engagement Plan for Implementation

• 4 Implementing Quality Assurance in Wheelchair Services — 6 classes

- › 4.1 Explore the Principles of Quality Assurance in Wheelchair Services
- › 4.2 Identify Key Leadership Roles in Quality Assurance Implementation
- › 4.3 Analyze Effective Quality Assurance Frameworks for Wheelchair Services
- › 4.4 Develop Strategic Initiatives to Enhance Service Quality
- › 4.5 Evaluate Performance Metrics for Quality Assurance in Wheelchair Services
- › 4.6 Implement Continuous Improvement Strategies in Wheelchair Services

• 5 Leadership for Innovative Solutions in Wheelchair Technologies — 6 classes

- › 5.1 Identify Key Trends in Wheelchair Technology Innovation
- › 5.2 Explore Leadership Roles in Driving Technological Change
- › 5.3 Assess Stakeholder Needs in Wheelchair Design and Functionality
- › 5.4 Develop Strategic Initiatives for Improved Wheelchair Solutions
- › 5.5 Foster a Culture of Collaboration in Wheelchair Technology Development
- › 5.6 Present Innovative Wheelchair Solutions to Stakeholders

• 1 Introduction to Performance Evaluation in Wheelchairs — 6 classes

- › 1.1 Define Key Concepts in Performance Evaluation for Wheelchairs
- › 1.2 Explore the Importance of ISO 7176 Standards in Evaluation
- › 1.3 Identify Performance Metrics for Wheelchair Assessment
- › 1.4 Analyze Existing Performance Evaluation Techniques
- › 1.5 Compare Different Wheelchair Evaluation Methods
- › 1.6 Apply Performance Evaluation Techniques to Case Studies

• 2 Measurement Standards and Protocols for Wheelchair Performance — 6 classes

- › 2.1 Understand Measurement Standards for Wheelchair Performance
- › 2.2 Identify Key Performance Indicators in Wheelchair Evaluation
- › 2.3 Explore Testing Protocols for Wheelchair Durability and Safety
- › 2.4 Analyze Data Collection Methods for Wheelchair Performance
- › 2.5 Evaluate Comparative Performance Metrics Across Wheelchair Models
- › 2.6 Apply Protocols to Conduct an Assessment of Wheelchair Effectiveness

• 3 Data Collection Methods in Wheelchair Performance Evaluations — 6 classes

- › 3.1 Identify Key Data Collection Methods for Wheelchair Performance
- › 3.2 Analyze the Strengths and Limitations of Quantitative Data in Evaluations
- › 3.3 Explore Qualitative Data Collection Techniques in Wheelchair Assessments
- › 3.4 Compare Different Data Collection Tools and Their Applications
- › 3.5 Design a Data Collection Plan for a Wheelchair Performance Evaluation
- › 3.6 Evaluate the Impact of Collected Data on Performance Improvement Strategies

• 4 Analyzing Performance Data in Wheelchair Studies — 6 classes

- › 4.1 Identify Key Performance Indicators in Wheelchair Studies
- › 4.2 Collect and Organize Performance Data from Wheelchair Tests
- › 4.3 Analyze Quantitative Data for Wheelchair Performance Evaluation
- › 4.4 Interpret Qualitative Feedback on Wheelchair Usability
- › 4.5 Compare Performance Data Across Different Wheelchair Models
- › 4.6 Communicate Findings and Recommendations from Performance Analysis

• 5 Translating Evaluation Results into Practice — 6 classes

- › 5.1 Analyze Evaluation Results for Wheelchair Performance
- › 5.2 Identify Key Indicators from Performance Data
- › 5.3 Develop Action Plans Based on Evaluation Insights
- › 5.4 Engage Stakeholders in Discussion of Findings
- › 5.5 Implement Changes to Improve Wheelchair Designs
- › 5.6 Monitor and Reassess Impact of Implemented Practices

• 1 Understanding ISO 7176 Standards and Their Importance in Wheelchair Manufacturing — 6 classes

- › 1.1 Analyze the Key Components of ISO 7176 Standards in Wheelchair Manufacturing
- › 1.2 Evaluate the Role of Quality Assurance in Enhancing Wheelchair Safety
- › 1.3 Identify Common Testing Procedures for Wheelchairs Under ISO 7176
- › 1.4 Compare ISO 7176 Standards with Other Quality Standards in the Industry
- › 1.5 Develop a Quality Assurance Checklist Based on ISO 7176 Guidelines
- › 1.6 Apply ISO 7176 Standards to Real-World Scenarios in Wheelchair Design

• 2 Quality Assurance Principles: Frameworks and Best Practices — 6 classes

- › 2.1 Understand Quality Assurance Principles in Wheelchair Manufacturing
- › 2.2 Explore Key Frameworks for Effective Quality Assurance
- › 2.3 Identify Best Practices in Quality Control Procedures
- › 2.4 Analyze Common Challenges in Quality Assurance Implementation
- › 2.5 Apply Quality Assurance Tools to Real-World Scenarios
- › 2.6 Develop a Quality Assurance Action Plan for Manufacturing

• 3 Materials and Component Standards in the Wheelchair Industry — 6 classes

- › 3.1 Identify Key Material Requirements for Wheelchairs
- › 3.2 Evaluate Component Standards in Wheelchair Design
- › 3.3 Analyze Material Properties Impacting Wheelchair Performance
- › 3.4 Assess Quality Assurance Processes in Material Sourcing
- › 3.5 Implement Best Practices for Component Selection
- › 3.6 Develop a Quality Checklist for Wheelchair Manufacturing

• 4 Testing and Evaluation Methods for Wheelchair Quality Assurance — 6 classes

- › 4.1 Explore the Importance of Testing in Wheelchair Manufacturing
- › 4.2 Identify Key Testing Standards and Regulations
- › 4.3 Conduct Functional Evaluations of Wheelchair Components
- › 4.4 Apply Safety Testing Methods for Wheelchair Design
- › 4.5 Analyze Real-World Performance through User Trials
- › 4.6 Develop a Comprehensive Quality Assurance Plan for Wheelchairs

• 5 Continuous Improvement and Innovation in Wheelchair Quality Assurance — 6 classes

- › 5.1 Identify Key Components of Quality Assurance in Wheelchair Manufacturing
- › 5.2 Explore Continuous Improvement Models Relevant to Wheelchair Quality
- › 5.3 Analyze Case Studies of Successful Wheelchair Quality Innovations
- › 5.4 Develop Metrics for Measuring Quality Assurance in Wheelchair Production
- › 5.5 Implement Feedback Loops for Enhancing Wheelchair Quality and Performance
- › 5.6 Create an Action Plan for Integrating Innovations in Quality Assurance

• 1 Understanding Stakeholder Identification and Analysis — 6 classes

- › 1.1 Define Key Stakeholder Roles in Wheelchair Systems
- › 1.2 Identify Primary Stakeholders in Wheelchair Development
- › 1.3 Analyze Stakeholder Needs and Expectations
- › 1.4 Categorize Stakeholders by Influence and Interest
- › 1.5 Develop Stakeholder Engagement Strategies
- › 1.6 Evaluate Stakeholder Relationships and Feedback Mechanisms

• 2 Engagement Techniques for Diverse Stakeholder Groups — 6 classes

- › 2.1 Identify Diverse Stakeholder Groups in Wheelchair Certification
- › 2.2 Analyze Stakeholder Needs and Expectations
- › 2.3 Develop Tailored Engagement Strategies for Different Groups
- › 2.4 Implement Effective Communication Techniques with Stakeholders
- › 2.5 Evaluate Engagement Success and Gather Stakeholder Feedback
- › 2.6 Adapt Stakeholder Engagement Techniques for Continuous Improvement

• 3 Communication Strategies for Stakeholder Involvement — 6 classes

- › 3.1 Identify Key Stakeholders in Wheelchair Services
- › 3.2 Assess Stakeholder Needs and Expectations
- › 3.3 Develop Effective Communication Channels
- › 3.4 Create Tailored Messaging for Diverse Audiences
- › 3.5 Implement Feedback Mechanisms for Continuous Engagement
- › 3.6 Evaluate the Effectiveness of Communication Strategies

• 4 Collaboration and Partnership Development — 6 classes

- › 4.1 Identify Key Stakeholders for Effective Collaboration
- › 4.2 Analyze Stakeholder Needs and Expectations
- › 4.3 Develop a Comprehensive Partnership Strategy
- › 4.4 Facilitate Productive Communication Among Stakeholders
- › 4.5 Evaluate and Monitor Partnership Effectiveness
- › 4.6 Create Action Plans for Sustainable Collaboration

• 5 Evaluating Stakeholder Engagement Outcomes — 6 classes

- › 5.1 Define Key Performance Indicators for Stakeholder Engagement
- › 5.2 Collect Qualitative Data from Stakeholder Feedback
- › 5.3 Analyze Quantitative Metrics to Measure Engagement Success
- › 5.4 Identify Stakeholder Satisfaction Levels Through Surveys
- › 5.5 Assess the Impact of Engagement Strategies on Stakeholder Relationships
- › 5.6 Develop a Reporting Framework for Stakeholder Engagement Outcomes