

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 15189 — Medical Laboratories Requirements for Quality

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 HL-BIO-15189 • ISO Health

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	HL-BIO-15189
AWARD	Certificate
ASSESSMENT	860 marks — 516 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Continuous Improvement Strategies

5 chapters · 30 classes 65 marks

• 1 Understanding Continuous Improvement in Medical Laboratories

— 6 classes

› 1.1 Define Continuous Improvement Principles in Medical Laboratories

› 1.2 Identify Key Performance Indicators for Quality Assessment

› 1.3 Analyze Current Processes for Improvement Opportunities

› 1.4 Develop a Continuous Improvement Plan for Laboratory Practices

› 1.5 Implement Feedback Mechanisms to Measure Improvement Outcomes

› 1.6 Evaluate and Sustain Continuous Improvement Initiatives

• 2 Key Principles of Continuous Improvement Frameworks

— 6 classes

› 2.1 Understand the Key Concepts of Continuous Improvement Frameworks

› 2.2 Analyze the Principles of Quality Management in Medical Laboratories

› 2.3 Identify Tools and Techniques for Continuous Improvement

› 2.4 Assess Current Practices Using Continuous Improvement Models

› 2.5 Develop Action Plans for Implementing Continuous Improvement Strategies

› 2.6 Evaluate the Impact of Continuous Improvement on Laboratory Quality

• 3 Data Collection and Analysis for Improvement

— 6 classes

› 3.1 Identify Key Data Sources for Quality Improvement

› 3.2 Collecting Quantitative Data: Techniques and Tools

› 3.3 Gathering Qualitative Data: Methods for Insight

› 3.4 Analyzing Collected Data: Basic Statistical Techniques

› 3.5 Interpreting Data Results to Inform Improvement Strategies

› 3.6 Developing an Action Plan Based on Data Analysis

• 4 Implementing Change in Laboratory Settings

— 6 classes

› 4.1 Assess Current Laboratory Practices for Improvement Opportunities

› 4.2 Identify Key Stakeholders in the Change Process

› 4.3 Develop a Change Management Plan for Laboratory Processes

› 4.4 Implement Effective Communication Strategies During Change

› 4.5 Monitor and Evaluate the Impact of Changes in the Laboratory

› 4.6 Foster a Culture of Continuous Improvement in Laboratory Teams

• 5 Measuring the Impact of Continuous Improvement Initiatives

— 6 classes

› 5.1 Define Key Metrics for Continuous Improvement in Medical Laboratories

› 5.2 Analyze Baseline Data to Assess Current Performance Levels

› 5.3 Implement Continuous Improvement Initiatives and Streamline Processes

› 5.4 Monitor Changes and Gather Data Post-Implementation

› 5.5 Evaluate the Impact of Initiatives on Quality and Efficiency

› 5.6 Report Findings and Foster a Culture of Continuous Improvement

• 1 Understanding ISO 15189: Standards and Scope in Medical Laboratories — 6 classes

- › 1.1 Define ISO 15189: Key Principles and Objectives
- › 1.2 Explore the Scope of ISO 15189 in Medical Laboratory Settings
- › 1.3 Identify Key Stakeholders in ISO 15189 Compliance
- › 1.4 Compare ISO 15189 with Other Quality Management Standards
- › 1.5 Outline the Requirements for Leadership in ISO 15189 Compliance
- › 1.6 Apply ISO 15189 Standards to Develop a Compliance Framework

• 2 Quality Management Systems and Leadership Roles — 6 classes

- › 2.1 Define Quality Management Systems in Medical Laboratories
- › 2.2 Identify Key Leadership Roles in ISO 15189 Compliance
- › 2.3 Analyze the Relationship Between Quality Management and Leadership Effectiveness
- › 2.4 Evaluate Best Practices for Developing Leadership within Quality Management Systems
- › 2.5 Implement Strategies for Enhancing Team Engagement in Quality Assurance
- › 2.6 Assess the Impact of Leadership on Continuous Quality Improvement Initiatives

• 3 Document Control and Compliance Protocols — 6 classes

- › 3.1 Identify Key Document Control Principles in ISO 15189
- › 3.2 Analyze Compliance Protocols for Document Management
- › 3.3 Evaluate the Role of Leadership in Document Control
- › 3.4 Develop a Document Control Process Map for Compliance
- › 3.5 Implement Best Practices for Document Review and Approval
- › 3.6 Assess Audit Readiness through Effective Document Control

• 4 Monitoring and Measuring Quality Performance — 6 classes

- › 4.1 Define Key Performance Indicators for Quality Monitoring
- › 4.2 Implement Data Collection Methods for Quality Metrics
- › 4.3 Analyze Quality Data to Identify Trends and Issues
- › 4.4 Utilize Statistical Tools to Measure Laboratory Performance
- › 4.5 Develop Action Plans Based on Quality Performance Analysis
- › 4.6 Review and Adjust Quality Monitoring Processes for Continuous Improvement

• 5 Managing Non-Conformities and Continuous Improvement — 6 classes

- › 5.1 Identify Non-Conformities in Laboratory Processes
- › 5.2 Analyze Root Causes of Non-Conformities
- › 5.3 Develop Corrective Action Plans for Non-Conformities
- › 5.4 Implementing Corrective Actions Effectively
- › 5.5 Monitor and Evaluate the Effectiveness of Corrective Actions
- › 5.6 Foster a Culture of Continuous Improvement in the Laboratory

• 1 Fundamentals of ISO 15189 and Its Importance in Laboratories — 6 classes

- › 1.1 Define ISO 15189 and Its Core Principles
- › 1.2 Explain the Importance of Quality Management in Laboratories
- › 1.3 Identify Key Components of ISO 15189 Standards
- › 1.4 Analyze the Impact of ISO 15189 on Laboratory Operations
- › 1.5 Explore Common Non-Conformities in Laboratory Practices
- › 1.6 Develop an Action Plan for Implementing ISO 15189 Standards in Your Lab

• 2 Quality Management Systems and Leadership Roles in Laboratories — 6 classes

- › 2.1 Understand Quality Management Systems in Medical Laboratories
- › 2.2 Identify Key Leadership Roles in Laboratory Quality Management
- › 2.3 Analyze ISO 15189 Requirements for Laboratory Operations
- › 2.4 Develop Strategies for Effective Quality Leadership
- › 2.5 Implement Continuous Improvement Practices in the Laboratory
- › 2.6 Evaluate Compliance with ISO 15189 Standards in Your Laboratory

• 3 Document Control and Records Management in Compliance with ISO 15189 — 6 classes

- › 3.1 Understand the Importance of Document Control in ISO 15189
- › 3.2 Identify Key Components of Records Management in Medical Laboratories
- › 3.3 Analyze Document Control Procedures for Compliance with ISO 15189
- › 3.4 Implement Effective Strategies for Record Retention and Disposal
- › 3.5 Develop Best Practices for Document Version Control in Laboratories
- › 3.6 Evaluate the Impact of Document Management on Laboratory Quality Assurance

• 4 Risk Management Strategies for Medical Laboratories — 6 classes

- › 4.1 Identify Key Risks in Medical Laboratory Operations
- › 4.2 Evaluate the Impact of Identified Risks on Laboratory Quality
- › 4.3 Develop Risk Mitigation Strategies for Common Laboratory Risks
- › 4.4 Implement Risk Management Protocols in Laboratory Practices
- › 4.5 Monitor and Review Risk Management Outcomes Regularly
- › 4.6 Communicate Risk Management Strategies to Laboratory Staff

• 5 Continuous Improvement and Audits in Laboratory Quality Management — 6 classes

- › 5.1 Understand the Principles of Continuous Improvement in Laboratory Quality
- › 5.2 Identify Key Audit Criteria for ISO 15189 Compliance
- › 5.3 Explore Common Tools and Techniques for Continuous Improvement
- › 5.4 Analyze the Audit Process: Steps and Best Practices
- › 5.5 Evaluate the Role of Leadership in Driving Quality Improvements
- › 5.6 Develop an Action Plan for Implementing Audit Findings

• 1 Understanding Leadership Roles in Medical Laboratories — 6 classes

- › 1.1 Define Key Leadership Roles in Medical Laboratories
- › 1.2 Identify Qualities of Effective Laboratory Leaders
- › 1.3 Explore Leadership Styles Relevant to Laboratory Management
- › 1.4 Analyze Team Dynamics in a Medical Laboratory Setting
- › 1.5 Develop Strategies for Leading Laboratory Teams
- › 1.6 Implement Leadership Skills in Laboratory Scenarios

• 2 Developing Effective Team Dynamics in a Laboratory Setting — 6 classes

- › 2.1 Identify Key Attributes of Effective Laboratory Teams
- › 2.2 Analyze Communication Styles for Enhanced Team Collaboration
- › 2.3 Explore Strategies to Foster Trust Among Team Members
- › 2.4 Implement Conflict Resolution Techniques in Team Dynamics
- › 2.5 Develop Roles and Responsibilities for Optimal Team Performance
- › 2.6 Evaluate Team Performance and Identify Opportunities for Improvement

• 3 Implementing Quality Management Systems through Leadership — 6 classes

- › 3.1 Define Quality Management Systems in Medical Laboratories
- › 3.2 Identify Key Leadership Roles in Quality Assurance
- › 3.3 Analyze Case Studies of Effective Quality Management Implementation
- › 3.4 Develop Strategies for Team Engagement in Quality Initiatives
- › 3.5 Implement Continuous Improvement Practices through Leadership
- › 3.6 Evaluate the Impact of Leadership on Quality Outcomes in Laboratories

• 4 Navigating Change and Innovation in Laboratory Practices — 6 classes

- › 4.1 Identify Key Drivers of Change in Laboratory Practices
- › 4.2 Assess the Impact of Innovation on Quality Management Systems
- › 4.3 Develop Strategies for Leading Teams through Change
- › 4.4 Foster a Culture of Continuous Improvement in Laboratories
- › 4.5 Implement Change Management Techniques in Practice
- › 4.6 Evaluate the Success of Innovation Initiatives in Laboratory Settings

• 5 Evaluating Team Performance and Leadership Effectiveness — 6 classes

- › 5.1 Assess Team Performance Metrics for Quality Improvement
- › 5.2 Analyze Leadership Styles and Their Impact on Team Dynamics
- › 5.3 Identify Key Indicators of Leadership Effectiveness
- › 5.4 Implement Feedback Mechanisms for Continuous Team Development
- › 5.5 Develop Action Plans for Addressing Performance Gaps
- › 5.6 Foster a Culture of Accountability and Collaboration in Teams

• 1 Understanding Leadership in Medical Laboratories — 6 classes

- › 1.1 Define Leadership: Core Concepts in Medical Laboratory Settings
- › 1.2 Explore Different Leadership Styles: Impact on Team Dynamics
- › 1.3 Identify Key Qualities of Effective Leaders in Medical Laboratories
- › 1.4 Analyze Leadership Challenges: Case Studies from Medical Laboratories
- › 1.5 Develop Communication Skills: Strategies for Laboratory Leadership
- › 1.6 Create an Action Plan: Implementing Leadership Strategies in Your Team

• 2 Styles and Theories of Leadership in Biotechnology — 6 classes

- › 2.1 Analyze Different Leadership Styles in Biotechnology
- › 2.2 Evaluate the Impact of Transformational Leadership on Team Dynamics
- › 2.3 Explore Transactional Leadership Techniques in Laboratory Settings
- › 2.4 Compare Autocratic and Democratic Leadership Approaches in Biotechnology
- › 2.5 Develop Strategies for Applying Situational Leadership in Medical Laboratories
- › 2.6 Reflect on Personal Leadership Style and Its Effectiveness in Team Management

• 3 Building Effective Teams in a Laboratory Environment — 6 classes

- › 3.1 Identify Key Roles and Responsibilities in Laboratory Teams
- › 3.2 Foster Open Communication to Enhance Team Collaboration
- › 3.3 Establish Trust and Accountability Among Team Members
- › 3.4 Implement Conflict Resolution Strategies in Laboratory Settings
- › 3.5 Develop Performance Metrics to Measure Team Effectiveness
- › 3.6 Create a Continuous Improvement Plan for Team Dynamics

• 4 Conflict Resolution and Problem Solving in Teams — 6 classes

- › 4.1 Identify Common Sources of Conflict in Teams
- › 4.2 Analyze Conflict Styles and Their Impact on Team Dynamics
- › 4.3 Employ Active Listening Techniques to De-escalate Conflicts
- › 4.4 Develop Effective Communication Strategies for Conflict Resolution
- › 4.5 Implement Problem-Solving Frameworks to Address Team Issues
- › 4.6 Create a Conflict Resolution Action Plan for Future Challenges

• 5 Leadership for Continuous Improvement and Compliance — 6 classes

- › 5.1 Identify Key Leadership Traits for Continuous Improvement
- › 5.2 Develop a Vision for Quality in Medical Laboratories
- › 5.3 Implement Effective Team Communication Strategies
- › 5.4 Foster a Culture of Accountability and Ethics
- › 5.5 Evaluate Compliance with ISO 15189 Standards
- › 5.6 Create Action Plans for Sustained Quality Improvement

• 1 Understanding ISO 15189 and Its Importance in Medical Laboratories — 6 classes

- › 1.1 Define ISO 15189 and Its Core Principles
- › 1.2 Identify Key Requirements of ISO 15189 for Medical Laboratories
- › 1.3 Explore the Significance of Quality Management Systems in Healthcare
- › 1.4 Analyze Case Studies of ISO 15189 Implementation in Laboratories
- › 1.5 Develop a Plan for Adopting ISO 15189 Standards in a Medical Laboratory
- › 1.6 Evaluate the Impact of ISO 15189 Certification on Laboratory Performance

• 2 Project Management Fundamentals in Quality Systems — 6 classes

- › 2.1 Define Key Concepts in Project Management for Quality Systems
- › 2.2 Identify Stakeholders and Their Roles in Quality Projects
- › 2.3 Develop SMART Objectives for Quality Improvement Initiatives
- › 2.4 Create a Project Plan Tailored to Quality Systems Requirements
- › 2.5 Apply Risk Management Strategies in Quality Project Planning
- › 2.6 Evaluate Project Outcomes and Continuous Improvement Measures

• 3 Planning for Quality: Defining Project Goals and Objectives — 6 classes

- › 3.1 Identify Key Quality Goals in Medical Laboratories
- › 3.2 Define Measurable Objectives for Quality Improvement
- › 3.3 Align Project Goals with ISO 15189 Standards
- › 3.4 Develop a SMART Framework for Project Objectives
- › 3.5 Prioritize Goals Based on Laboratory Needs and Resources
- › 3.6 Create an Action Plan to Achieve Defined Objectives

• 4 Risk Management in Quality Projects: Identifying and Mitigating Risks — 6 classes

- › 4.1 Define Risk Management Concepts in Quality Projects
- › 4.2 Identify Common Risks in Medical Laboratory Projects
- › 4.3 Assess the Impact of Risks on Project Objectives
- › 4.4 Develop Risk Mitigation Strategies for Quality Systems
- › 4.5 Create a Risk Management Plan for a Sample Project
- › 4.6 Evaluate and Revise Risk Management Practices post-Implementation

• 5 Monitoring and Evaluation: Ensuring Quality Throughout the Project Lifecycle — 6 classes

- › 5.1 Define Key Performance Indicators for Quality Monitoring
- › 5.2 Implement Data Collection Methods for Evaluation Process
- › 5.3 Analyze Results and Identify Quality Improvement Areas
- › 5.4 Develop a Monitoring Plan for Ongoing Quality Assurance
- › 5.5 Conduct Regular Quality Audits to Ensure Compliance
- › 5.6 Communicate Findings and Foster a Quality Culture in Teams

• 1 Fundamentals of Quality Control in Medical Laboratories — 6 classes

- › 1.1 Define Quality Control in Medical Laboratories
- › 1.2 Identify Key Components of Quality Assurance
- › 1.3 Analyze the Role of ISO 15189 in Laboratory Quality
- › 1.4 Explore Quality Control Techniques and Tools
- › 1.5 Implement a Quality Management System in a Lab Setting
- › 1.6 Evaluate the Impact of Quality Control on Patient Safety

• 2 ISO 15189 Standards: Structure and Key Requirements — 6 classes

- › 2.1 Understand the Structure of ISO 15189 Standards
- › 2.2 Identify Key Requirements for Quality Control in Medical Laboratories
- › 2.3 Explore Leadership Roles in Implementing ISO 15189
- › 2.4 Analyze the Impact of ISO 15189 on Laboratory Practices
- › 2.5 Develop a Quality Assurance Plan Aligned with ISO 15189
- › 2.6 Evaluate Compliance Strategies for ISO 15189 Implementation

• 3 Implementing Quality Assurance Protocols — 6 classes

- › 3.1 Define Key Concepts in Quality Assurance
- › 3.2 Identify Essential Components of Quality Assurance Protocols
- › 3.3 Analyze Current Quality Assurance Practices in Medical Laboratories
- › 3.4 Develop a Quality Assurance Checklist for Laboratory Procedures
- › 3.5 Implement a Quality Assurance Protocol in a Case Study Scenario
- › 3.6 Evaluate the Effectiveness of Quality Assurance Protocols in Practice

• 4 Assessing and Monitoring Quality Indicators — 6 classes

- › 4.1 Understand Key Quality Indicators in Medical Laboratories
- › 4.2 Identify Techniques for Measuring Quality Indicators
- › 4.3 Analyze Data Collection Methods for Quality Monitoring
- › 4.4 Evaluate the Role of Internal Audits in Quality Assurance
- › 4.5 Implement Corrective Actions Based on Quality Assessments
- › 4.6 Develop a Continuous Improvement Plan for Laboratory Quality

• 5 Continuous Improvement and Auditing in Quality Systems — 6 classes

- › 5.1 Define Continuous Improvement in Quality Systems
- › 5.2 Identify Key Components of Auditing in Medical Laboratories
- › 5.3 Explore Techniques for Implementing Continuous Improvement
- › 5.4 Assess the Role of Leadership in Quality Assurance
- › 5.5 Develop an Action Plan for Quality Control Auditing
- › 5.6 Evaluate Case Studies on Continuous Improvement Success

• 1 Foundations of Quality Management in Medical Laboratories — 6 classes

- › 1.1 Define Quality Management Principles in Medical Laboratories
- › 1.2 Explain the Importance of ISO 15189 Certification
- › 1.3 Identify Key Components of Quality Management Systems
- › 1.4 Analyze Roles and Responsibilities in Quality Leadership
- › 1.5 Assess Strategies for Continuous Quality Improvement
- › 1.6 Apply Quality Management Principles to Laboratory Scenarios

• 2 ISO 15189 Standards and Compliance Requirements — 6 classes

- › 2.1 Understand ISO 15189 Standards Overview
- › 2.2 Identify Key Compliance Requirements for Medical Laboratories
- › 2.3 Explore Quality Management Principles in ISO 15189
- › 2.4 Analyze Leadership Responsibilities in Laboratory Quality Management
- › 2.5 Develop Strategies for Meeting ISO 15189 Compliance
- › 2.6 Implement Quality Improvement Processes Based on ISO 15189 Standards

• 3 Leadership Roles in Quality Management — 6 classes

- › 3.1 Define Core Leadership Responsibilities in Quality Management
- › 3.2 Identify Key Quality Management Principles for Leaders
- › 3.3 Evaluate the Role of Leadership in Promoting Laboratory Quality Culture
- › 3.4 Implement Effective Communication Strategies for Quality Leadership
- › 3.5 Assess Leadership Styles and Their Impact on Quality Management
- › 3.6 Develop an Action Plan for Leadership in Quality Improvement Initiatives

• 4 Risk Management and Continuous Improvement — 6 classes

- › 4.1 Identify Key Risks in Medical Laboratory Processes
- › 4.2 Analyze the Impact of Risks on Quality Management
- › 4.3 Develop Risk Mitigation Strategies for Laboratory Operations
- › 4.4 Implement Continuous Improvement Practices in Laboratories
- › 4.5 Monitor and Evaluate Risk Management Strategies Effectiveness
- › 4.6 Foster a Culture of Continuous Improvement in Laboratory Teams

• 5 Evaluating Performance and Enhancing Quality Outcomes — 6 classes

- › 5.1 Assess Current Quality Metrics in Medical Laboratories
- › 5.2 Identify Key Performance Indicators for Quality Management
- › 5.3 Analyze Performance Data to Identify Improvement Areas
- › 5.4 Develop Quality Enhancement Strategies Based on Findings
- › 5.5 Implement Quality Improvement Initiatives in Practice
- › 5.6 Evaluate the Impact of Quality Changes on Patient Outcomes

• 1 Understanding ISO 15189: An Overview of Requirements — 6 classes

- › 1.1 Explore the Purpose and Scope of ISO 15189
- › 1.2 Identify Key Components of Quality Management Systems
- › 1.3 Understand Legal and Regulatory Frameworks in Medical Laboratories
- › 1.4 Analyze Document Control and Record Keeping Requirements
- › 1.5 Evaluate Quality Assurance and Improvement Processes
- › 1.6 Apply ISO 15189 Principles to Enhance Laboratory Practices

• 2 Key Elements of Quality Management Systems in Laboratories — 6 classes

- › 2.1 Identify Core Components of Quality Management Systems in Laboratories
- › 2.2 Explore the Role of Leadership in Laboratory Quality Assurance
- › 2.3 Analyze the Importance of Document Control in Quality Management
- › 2.4 Evaluate the Significance of Competence and Training in Laboratories
- › 2.5 Implement Quality Control Procedures for Consistent Laboratory Results
- › 2.6 Develop Strategies for Continuous Improvement in Laboratory Practices

• 3 Leadership and Management Responsibilities in Quality Assurance — 6 classes

- › 3.1 Define Key Leadership Roles in Quality Management
- › 3.2 Outline the Responsibilities of Management in ISO 15189 Compliance
- › 3.3 Analyze Effective Leadership Styles in Quality Assurance
- › 3.4 Discuss the Importance of Communication in Quality Leadership
- › 3.5 Develop a Quality Management Strategy as a Leadership Tool
- › 3.6 Evaluate Real-Life Case Studies of Leadership Impact on Quality Outcomes

• 4 Documentation and Record-Keeping in Compliance with ISO 15189 — 6 classes

- › 4.1 Identify Key Documentation Requirements for ISO 15189
- › 4.2 Analyze the Role of Record-Keeping in Quality Management
- › 4.3 Develop Effective Documentation Practices in Medical Laboratories
- › 4.4 Evaluate Compliance Strategies for ISO 15189 Documentation
- › 4.5 Implement Continuous Improvement in Document Control Processes
- › 4.6 Assess the Impact of Accurate Record-Keeping on Laboratory Accreditation

• 5 Continuous Improvement and Internal Audits for Quality Enhancement — 6 classes

- › 5.1 Define Continuous Improvement and Its Importance in Medical Laboratories
- › 5.2 Identify Key Principles of Quality Management Systems in ISO 15189
- › 5.3 Explore the Role of Internal Audits in Quality Enhancement
- › 5.4 Develop an Internal Audit Checklist for ISO 15189 Compliance
- › 5.5 Analyze Audit Findings to Identify Areas for Improvement
- › 5.6 Create an Action Plan to Implement Continuous Improvement Strategies

• 1 Understanding ISO 15189: The Framework for Quality in Medical Laboratories — 6 classes

- › 1.1 Define ISO 15189 and its Importance in Medical Laboratories
- › 1.2 Explore the Key Requirements of ISO 15189 Certification
- › 1.3 Analyze the Role of Leadership in Quality Management Systems
- › 1.4 Identify Common Challenges in Implementing ISO 15189 Standards
- › 1.5 Develop a Roadmap for Achieving ISO 15189 Compliance
- › 1.6 Evaluate Case Studies of Successful ISO 15189 Implementation

• 2 Key Regulatory Bodies and Their Roles in ISO Compliance — 6 classes

- › 2.1 Identify Key Regulatory Bodies in ISO 15189
- › 2.2 Explain the Role of Each Regulatory Body in ISO Compliance
- › 2.3 Analyze the Impact of Regulatory Compliance on Laboratory Quality
- › 2.4 Review the Process of Accreditation in Medical Laboratories
- › 2.5 Discuss the Challenges of Meeting ISO 15189 Standards
- › 2.6 Apply Regulatory Frameworks to Case Studies in Medical Laboratories

• 3 Documentation and Quality Management Systems in Medical Laboratories — 6 classes

- › 3.1 Analyze the Structure of Documentation in ISO 15189
- › 3.2 Assess the Importance of Quality Management Systems in Laboratories
- › 3.3 Identify Key Components of Quality Documentation in Medical Laboratories
- › 3.4 Develop Standard Operating Procedures (SOPs) for Laboratory Practices
- › 3.5 Evaluate Compliance with Regulatory Frameworks in Documentation
- › 3.6 Implement Continuous Improvement Strategies in Quality Management Systems

• 4 Risk Management and Internal Auditing Practices — 6 classes

- › 4.1 Identify Key Risks in Medical Laboratory Operations
- › 4.2 Analyze the Impact of Risks on Service Quality
- › 4.3 Develop Risk Mitigation Strategies for Laboratories
- › 4.4 Implement Internal Auditing Procedures Effectively
- › 4.5 Evaluate the Effectiveness of Risk Management Practices
- › 4.6 Integrate Continuous Improvement into Auditing Processes

• 5 Continuous Improvement Strategies for ISO 15189 Accreditation — 6 classes

- › 5.1 Identify Key Continuous Improvement Concepts in ISO 15189
- › 5.2 Analyze the Role of Leadership in Quality Management
- › 5.3 Evaluate Tools for Assessing Current Laboratory Practices
- › 5.4 Develop Measurable Objectives for Continuous Improvement
- › 5.5 Implement Effective Team Collaboration Strategies
- › 5.6 Create an Action Plan for Ongoing Accreditation Compliance

• 1 Understanding Risk Management Principles in Laboratories — 6 classes

- › 1.1 Define Key Risk Management Concepts in Laboratory Settings
- › 1.2 Identify Potential Risks in Medical Laboratories
- › 1.3 Analyze the Impact of Risks on Laboratory Operations
- › 1.4 Develop Effective Risk Mitigation Strategies for Laboratories
- › 1.5 Implement a Risk Management Framework in Laboratory Practice
- › 1.6 Evaluate the Success of Risk Management Strategies in Laboratories

• 2 Regulatory Framework and ISO 15189 Standards in Risk Management — 6 classes

- › 2.1 Identify Key Regulations Impacting Risk Management in Laboratories
- › 2.2 Understand ISO 15189 Standards and Their Importance in Quality Assurance
- › 2.3 Analyze the Role of Leadership in Upholding ISO 15189 Compliance
- › 2.4 Assess Risk Management Strategies as per ISO 15189 Guidelines
- › 2.5 Develop a Risk Assessment Framework for Laboratory Practices
- › 2.6 Implement Continuous Improvement Practices in Risk Management Systems

• 3 Risk Assessment Techniques for Laboratory Processes — 6 classes

- › 3.1 Identify Critical Risks in Laboratory Processes
- › 3.2 Analyze Risk Factors Affecting Laboratory Operations
- › 3.3 Evaluate the Impact of Identified Risks on Quality Outcomes
- › 3.4 Develop Mitigation Strategies for High-Risk Scenarios
- › 3.5 Implement Risk Management Plans in Laboratory Settings
- › 3.6 Review and Monitor Risk Management Effectiveness

• 4 Implementing Risk Mitigation Strategies in Laboratories — 6 classes

- › 4.1 Identify Key Risks in Laboratory Operations
- › 4.2 Analyze the Impact of Identified Risks
- › 4.3 Develop Risk Mitigation Strategies for Laboratories
- › 4.4 Implement Risk Mitigation Strategies Effectively
- › 4.5 Monitor and Review the Effectiveness of Risk Measures
- › 4.6 Foster a Risk-Aware Culture in Laboratory Teams

• 5 Monitoring and Reviewing Risk Management Plans — 6 classes

- › 5.1 Identify Key Components of Risk Management Plans
- › 5.2 Analyze Current Risk Management Strategies in Laboratories
- › 5.3 Evaluate Effectiveness of Existing Risk Management Plans
- › 5.4 Develop Criteria for Monitoring Risks in Laboratory Settings
- › 5.5 Implement Review Processes for Ongoing Risk Management
- › 5.6 Create an Action Plan for Continuous Improvement in Risk Management

• 1 Understanding Risk in Medical Laboratories — 6 classes

- › 1.1 Define Key Terms in Risk Management
- › 1.2 Identify Common Risks in Medical Laboratories
- › 1.3 Analyze the Impact of Risks on Laboratory Operations
- › 1.4 Evaluate Existing Risk Management Strategies
- › 1.5 Develop a Risk Assessment Plan for a Laboratory Scenario
- › 1.6 Implement Continuous Improvement Practices for Risk Management

• 2 Identifying and Assessing Risks in Laboratory Processes — 6 classes

- › 2.1 Define Key Concepts in Risk Management for Laboratories
- › 2.2 Identify Common Risks in Laboratory Processes
- › 2.3 Analyze the Impact of Identified Risks on Laboratory Operations
- › 2.4 Evaluate Risk Assessment Techniques for Laboratory Applications
- › 2.5 Develop a Risk Register for Laboratory Processes
- › 2.6 Create Action Plans to Mitigate Identified Risks in Laboratories

• 3 Developing Risk Mitigation Strategies — 6 classes

- › 3.1 Identify Potential Risks in Laboratory Operations
- › 3.2 Analyze the Impact of Identified Risks on Quality
- › 3.3 Develop Risk Assessment Tools and Techniques
- › 3.4 Formulate Risk Mitigation Strategies for Laboratories
- › 3.5 Implement Risk Mitigation Plans Effectively
- › 3.6 Evaluate and Revise Risk Management Strategies Continuously

• 4 Monitoring and Reviewing Risk Management Practices — 6 classes

- › 4.1 Assess Current Risk Management Practices in the Laboratory
- › 4.2 Identify Key Performance Indicators for Risk Management
- › 4.3 Develop a Risk Monitoring Plan for Laboratory Activities
- › 4.4 Implement Risk Review Meetings with Laboratory Staff
- › 4.5 Analyze Data from Risk Monitoring to Identify Trends
- › 4.6 Revise Risk Management Strategies Based on Review Outcomes

• 5 Integrating Risk Management with Laboratory Quality Systems — 6 classes

- › 5.1 Identify Key Components of Laboratory Quality Systems
- › 5.2 Assess Risks in Current Laboratory Practices
- › 5.3 Develop Strategies for Mitigating Identified Risks
- › 5.4 Integrate Risk Management into Quality System Frameworks
- › 5.5 Evaluate the Effectiveness of Risk Management Measures
- › 5.6 Document and Communicate Risk Management Processes