



LICQual

LICQual Level 3 Diploma in Environmental Management

Qualification Specification

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Qualification Specification

About LICQual

LICQual is a globally recognized awarding body based in the United Kingdom. Renowned for its commitment to excellence in education, LICQual specializes in delivering high-quality qualifications designed to meet the evolving needs of international learners, professionals, and industries. LICQual is dedicated to fostering innovative and flexible learning pathways, providing learners with the tools and knowledge needed to excel in today's dynamic professional landscape. The organization emphasizes adherence to international qualification frameworks and standards, ensuring global recognition and applicability of its certifications.

The vision of LICQual is to establish itself as a global benchmark in quality education and skills development. Its mission is to equip individuals and organizations with internationally recognized qualifications that enhance employability, professional productivity, and academic progression.

Underpinned by a team of experienced professionals, including examiners, moderators, and assessors, LICQual ensures the highest standards of quality assurance and continuous improvement. Its qualifications are designed to empower individuals with the expertise and competencies necessary to thrive in today's competitive and ever-changing global environment.

Course Overview

Welcome to the LICQual Level 3 Diploma in Environmental Management, a comprehensive and industry-relevant qualification designed for individuals passionate about sustainability and committed to making a positive environmental impact. In an era where global focus is increasingly on reducing environmental footprints, this course provides the essential knowledge, skills, and practical experience needed to effectively understand, manage, and mitigate environmental issues. This diploma offers a structured learning path that covers key aspects of environmental management, sustainability, and corporate social responsibility (CSR). By blending theoretical knowledge with real-world applications, including case studies and assignments, the program prepares learners to drive sustainability initiatives, manage environmental risks, and ensure compliance with critical environmental regulations across various sectors.

Objectives (Knowledge and Skills Gained)

Upon successful completion of the LICQual Level 3 Diploma in Environmental Management, learners will be able to:

- **Understand Environmental Principles:** Gain a foundational knowledge of basic environmental science principles, key environmental concepts, ecosystems, and the impact of human activities on the planet.
- **Implement Environmental Management Systems (EMS):** Learn the structure and components of effective EMS, including international standards like ISO 14001. Develop the skills to design, implement, and monitor EMS to improve organizational sustainability.
- **Master Environmental Planning:** Understand the importance of environmental planning, including risk assessment, mitigation strategies, and regulatory compliance in project development.

- **Address Global Issues:** Identify and analyse major global environmental challenges such as climate change, pollution, and resource depletion, and understand international efforts to address them.
- **Promote Modern Environmental Practices:** Develop an understanding of how modern organizations integrate environmental management into their core business strategies for improved environmental and business outcomes.
- **Manage Energy Consumption:** Learn the principles of energy management, including efficiency, conservation, and renewable energy sources, and develop strategies to reduce organizational energy consumption and environmental impact.
- **Ensure Compliance:** Acquire the expertise to ensure organizational compliance with key environmental laws and regulations.

Aims (Purpose of the Qualification)

The primary aims of the LICQual Level 3 Diploma in Environmental Management are to:

- **Equip Professionals:** Provide individuals with the necessary skills, expertise, and industry knowledge to manage environmental issues effectively.
- **Foster Sustainability Leadership:** Prepare learners to take proactive steps and leadership roles in improving sustainability practices and driving meaningful environmental change within organizations.
- **Enhance Employability:** Offer a recognized qualification that serves as a solid foundation for those looking to enter the environmental management field or enhance their existing career path.
- **Support Corporate Responsibility:** Enable graduates to contribute to a greener future by promoting sustainable practices and corporate social responsibility across different industries.

Targeted Audience

This diploma is an ideal qualification for:

- **Aspiring Environmental Professionals:** Individuals seeking to start a career in environmental management, sustainability, or related environmental sectors.
- **Career Changers:** Those looking to transition into the environmental sustainability sector from other industries, who require a structured and comprehensive introduction to the field.
- **Current Employees/Managers:** Individuals already working in an organization, including managers and supervisors, who are responsible for implementing or improving environmental and sustainability strategies and wish to formalize their experience.
- **Recent School/College Graduates:** Applicants who meet the educational requirements (typically a minimum of GCSE/high school qualifications in relevant subjects) and want to specialize in managing and mitigating environmental impacts in organizations.
- **Specialized Backgrounds:** Those with a background in environmental science, geography, or engineering who are looking to gain a management focus.

Certification Framework

Qualification title	LICQual Level 3 Diploma in Environmental Management
Course ID	LICQ2200001
Qualification Credits	60 Credits
Course Duration	3 - 6 Months
Grading Type	Pass / Fail
Competency Evaluation	Coursework / Assignments / Verifiable Experience
Assessment	The assessment and verification process for LICQual qualifications ensures that learners achieve the required standards and maintain consistency across all Approved Training Centres (ATCs). This process is divided into two key stages: Internal Assessment and Verification: ✓ This stage is conducted by the staff at the ATC, ensuring that learners meet the qualification standards through ongoing assessments. ✓ Internal Quality Assurance (IQA) is performed by the centre's designated IQA staff to validate and maintain the integrity of the assessment processes. External Quality Assurance: ✓ This stage is overseen by LICQual AB verifiers, who periodically review the centre's assessment and IQA procedures. ✓ The external verification ensures that assessments adhere to the required standards and that consistent practices are maintained across all centres.

Entry Requirements

To enroll in the LICQual Level 3 Diploma in Environmental Management, applicants must meet the following criteria:

- ✓ **Age Requirement:** Applicants must be at least 16 years old.
- ✓ **Educational Requirements:** Applicants should have a minimum of GCSE qualifications (or equivalent) in Mathematics, English, and Science. A background in environmental science, geography, or a related subject is advantageous but not mandatory.
- ✓ **Experience:** While prior experience in environmental management is not essential, candidates with relevant work experience in environmental, sustainability, or related fields will benefit from this background.
- ✓ **English Language Proficiency:** Applicants must have a good level of English proficiency, both written and spoken, to understand the course content and complete assessments. Non-native English speakers may be required to demonstrate proficiency equivalent to CEFR B2 or higher.

Qualification Structure

This qualification comprises 6 mandatory units, totalling 60 credits. Candidates must successfully complete all mandatory units to achieve the qualification.

Mandatory Units		
Unit Ref#	Unit Title	Credits
LICQ2200001-1	Introduction to Environment	10
LICQ2200001-2	Environmental Management Systems	10
LICQ2200001-3	Environmental Planning	10
LICQ2200001-4	Global Environmental Issues	10
LICQ2200001-5	Modern Environmental Management	10
LICQ2200001-6	Energy Management	10

Centre Requirements

To deliver the LICQual Level 3 Diploma in Environmental Management, training centres must meet the following key requirements:

1. **Approval from LICQual:**

- Centres must be formally approved by LICQual to deliver this specific qualification, ensuring alignment with quality standards.

2. **Qualified Staff:**

- Tutors and assessors must possess relevant academic qualifications (minimum Level 6 in Environmental Management or a closely related field) and extensive, current professional experience in environmental management, sustainability, or regulatory compliance.

3. **Learning Facilities:**

- Centres must provide suitable classrooms, access to environmental legislation and monitoring tools (e.g., sensors, lab kits), and digital learning resources.

4. **Health and Safety Compliance:**

- All learning and practical environments must comply with current health and safety regulations.

5. **Assessment Resources:**

- Centres should maintain appropriate tools, templates, and systems to support consistent and fair assessment.

6. **Learner Support:**

- Support must be available for all learners, including academic guidance, disability accommodations, and career development support.

7. **Policies and Procedures:**

- Centres must implement core policies (e.g., Equality, Safeguarding, Complaints, Data Protection) to maintain educational quality and integrity.

8. **Reporting to LICQual:**

- Centres are required to regularly report learner progress, maintain records of assessments, and support LICQual in external verification.

Support for Candidates

Centres must ensure that materials developed to support candidates:

- Enable the tracking of learners' progress as they achieve the specified learning outcomes and assessment criteria.
- Provide clear guidance on accessing LICQual's policies and procedures.
- Establish robust mechanisms to allow Internal and External Quality Assurance personnel to verify and authenticate evidence efficiently.

This structured approach promotes transparency, enhances the learning experience for candidates, and ensures adherence to high-quality assurance standards.

Assessment

Part 1: Knowledge and Understanding

- **Written Assignments and Research Projects:** Learners are required to complete structured written tasks and independent research projects that demonstrate advanced knowledge of health and social care management theories, policies, and practices. These assignments allow learners to critically analyse concepts and apply them to real-world contexts.
- **Oral and Written Questioning:** Learners will participate in structured oral or written questioning sessions, where they will be assessed on their comprehension of complex issues such as leadership, ethics, policy frameworks, and quality management in health and social care.

Part 2: Practical Application

- **Assessor Observation and Professional Discussions:** Learners will be observed in real or simulated workplace environments to evaluate their practical application of management and leadership skills. Professional discussions with assessors will further assess decision-making, problem-solving, and reflective thinking abilities.
- **Case Studies and Problem-Solving Exercises:** Learners will engage with detailed case studies and simulated scenarios, where they must identify problems, propose strategies, and justify their decisions using evidence-based practices and relevant care standards.

Part 3: Evidence and Verification

- **Portfolio of Evidence:** Learners will compile a portfolio containing reports, audits, presentations, reflective journals, and other forms of evidence produced during their training or workplace practice. This portfolio provides a comprehensive record of competence and progression.
- **Witness Testimonies and Recognition of Prior Learning (RPL):** Verified statements from supervisors or managers may be used to confirm learner competence, while credit for prior experience and previously achieved qualifications can also be recognised to support progression.

Unit Descriptors

LICQ2200001-1 Introduction to Environment

This unit introduces the foundational concepts of environmental science, covering key ecosystems, natural processes, and essential environmental terminology. Learners will analyse the significant ways human activities impact the environment, including pollution and resource depletion. The goal is to establish a thorough understanding of the interdependencies between people and the natural world, setting the stage for effective environmental management.

Learning Outcome:	1. Understand the basic principles of environmental science and the role of humans in influencing environmental changes.
Assessment Criteria:	1.1. Describe the basic scientific components and cycles (e.g., carbon, water) that maintain a stable environment. 1.2. Explain at least three major ways human activities directly influence environmental processes (e.g., deforestation, industrial emissions). 1.3. Outline the concept of carrying capacity in relation to human population growth and resource use. 1.4. Identify and explain the difference between renewable and non-renewable natural resources. 1.5. Select and use appropriate terminology when describing environmental issues (e.g., sustainability, degradation).
Learning Outcome:	2. Gain a foundational knowledge of key environmental concepts, ecosystems, and the impact of human activities on the planet.
Assessment Criteria:	2.1. Define and differentiate between key environmental concepts such as ecology, biodiversity, and pollution. 2.2. Identify the major components (biotic and abiotic) of a specified ecosystem (e.g., a forest or marine environment). 2.3. Detail two specific examples of how human activities have negatively impacted a local or regional ecosystem. 2.4. Interpret simple data or diagrams that show the scale of human impact on a global environmental issue.

LICQ2200001-2 Environmental Management Systems

This unit focuses on the structure, components, and implementation of effective Environmental Management Systems (EMS), with an emphasis on the internationally recognized ISO 14001 standard. Learners will develop the practical skills necessary to design, implement, and monitor an EMS within an organization to ensure continuous improvement and compliance, thereby reducing environmental impact.

Learning Outcome:	1. Learn the structure and components of effective Environmental Management Systems (EMS), including ISO 14001.
Assessment Criteria:	1.1. Outline the 'Plan-Do-Check-Act' (PDCA) cycle as the fundamental framework for an EMS. 1.2. Describe the main purpose and scope of the ISO 14001 standard for organizations. 1.3. Identify the four core components (e.g., policy, planning, implementation, review) required for a functional EMS. 1.4. Explain the importance of top management commitment in the success of an EMS. 1.5. Differentiate between an environmental aspect and an environmental impact in the context of an organization's activities.
Learning Outcome:	2. Develop the skills to design, implement, and monitor EMS to help organizations reduce their environmental impact and improve sustainability practices.
Assessment Criteria:	2.1. Select and use appropriate methods for conducting an initial environmental review of an organization. 2.2. Design a simple procedure for monitoring a specific environmental objective (e.g., waste reduction). 2.3. Propose a suitable mitigation strategy for a significant environmental impact identified within a non-routine business process. 2.4. Review the effectiveness of a simulated EMS activity by comparing planned outcomes against measured results.

LICQ2200001-3 Environmental Planning

This unit explores the principles of environmental planning as applied to projects and organizational strategy. It covers essential topics like conducting environmental impact assessments (EIAs), implementing effective mitigation strategies, and ensuring rigorous regulatory compliance. The aim is to equip learners to manage resources sustainably and integrate environmental considerations into long-term development.

Learning Outcome:	1. Understand the importance of environmental planning in project development, including risk assessment, mitigation strategies, and compliance with regulations.
Assessment Criteria:	1.1. Explain why proactive environmental planning is necessary before initiating a new project or operation. 1.2. Use a simple risk matrix to assess the potential severity and likelihood of two specified environmental risks related to a project. 1.3. Outline a procedure for ensuring a project remains compliant with one key national or local environmental regulation. 1.4. Identify the purpose of an Environmental Impact Assessment (EIA) at the planning stage of a major development.
Learning Outcome:	2. Learn to apply environmental planning principles to manage natural resources effectively and ensure long-term environmental sustainability.
Assessment Criteria:	2.1 Apply the principles of resource efficiency to propose changes in water or raw material usage within a simulated workplace. 2.2 Explain how land use planning decisions can affect local biodiversity and ecosystem health. 2.3 Propose a strategy for the sustainable management of a non-routine natural resource (e.g., timber or fish stocks). 2.4 Demonstrate judgment in selecting appropriate planning tools to address a complex environmental problem (e.g., pollution control). 2.5 Justify the long-term benefits of integrating sustainability goals into an organization's business plan.

LICQ2200001-4 Global Environmental Issues

This unit examines the most pressing global environmental challenges facing the world today, including climate change, biodiversity loss, and resource scarcity. Learners will analyse the underlying causes and consequences of these issues, alongside understanding the international efforts, policies, and conventions aimed at developing coordinated global solutions.

Learning Outcome:	1. Identify and analyze key global environmental challenges, such as climate change, biodiversity loss, pollution, and resource depletion.
Assessment Criteria:	1.1. Describe the main causes and potential consequences of anthropogenic climate change. 1.2. Differentiate between habitat loss and overexploitation as primary drivers of biodiversity loss. 1.3. Analyze the difference between air, water, and land pollution, providing a specific example for each. 1.4. Interpret and evaluate information from a scientific report regarding a complex global resource depletion issue (e.g., fresh water scarcity). 1.5. Identify the interconnections between two different global environmental challenges (e.g., climate change and resource depletion).
Learning Outcome:	2. Understand international efforts and policies aimed at addressing these issues, and learn how organizations can contribute to global environmental solutions.
Assessment Criteria:	2.1 Name and briefly explain the objective of two major international environmental agreements or treaties. 2.2 Outline the role of a key intergovernmental organization (e.g., UNEP) in coordinating global environmental action. 2.3 Propose four specific actions a small to medium-sized organization could take to reduce its carbon footprint. 2.4 Explain how corporate social responsibility (CSR) initiatives can support global environmental solutions.

LICQ2200001-5 Modern Environmental Management

This unit focuses on contemporary approaches to integrating environmental management into corporate strategy and operations. It covers topics such as corporate social responsibility (CSR) and sustainable business models. Learners will understand how organizations can achieve better environmental and financial outcomes by proactively embedding sustainability into their core business processes and decision-making.

Learning Outcome:	1. Explore contemporary approaches to environmental management, including corporate social responsibility (CSR), green technologies, and sustainable development practices.
Assessment Criteria:	1.1. Define the concept of sustainable development using the 'three pillars' (People, Planet, Profit) framework. 1.2. Describe two different examples of current green technologies and their environmental benefits (e.g., smart grids, circular economy concepts). 1.3. Explain the difference between voluntary and mandatory environmental reporting for businesses. 1.4. Identify how a focus on lifecycle assessment helps in implementing modern environmental management.
Learning Outcome:	2. Develop an understanding of how modern organizations incorporate environmental management into their strategies to improve both environmental and business outcomes.
Assessment Criteria:	2.1 Outline a clear procedure for integrating environmental goals into an organization's overall business strategy. 2.2 Explain how proactive environmental management can lead to cost savings or competitive advantage for a non-routine organization. 2.3 Take responsibility for initiating a review of an organization's current procurement policy to include sustainable sourcing requirements. 2.4 Use judgment to recommend a modern environmental management approach suitable for a complex, non-routine business setting. 2.5 Describe how effective communication of environmental performance can enhance stakeholder trust.

LICQ2200001-6 Energy Management

This unit provides a detailed understanding of key energy management principles, including efficiency, conservation, and the transition to renewable energy sources. Learners will acquire the skills to conduct energy audits, assess usage patterns, and develop and implement strategies aimed at reducing organizational energy consumption and its associated carbon footprint.

Learning Outcome:	1. Learn the key principles of energy management, including energy conservation, efficiency, and renewable energy sources.
Assessment Criteria:	1.1. Explain the core difference between energy conservation (reducing consumption) and energy efficiency (using less to achieve the same result). 1.2. Identify the principles of operation for at least two major types of renewable energy sources (e.g., solar, wind, geothermal). 1.3. Outline a procedure for conducting a basic energy audit in a building or small facility. 1.4. Describe how the use of smart energy meters contributes to effective energy management.
Learning Outcome:	2. Develop the skills to assess energy usage in organizations and implement strategies to reduce energy consumption and associated environmental impact.
Assessment Criteria:	2.1 Select and use simple calculations to determine the energy consumption of a common piece of workplace equipment over a specified period. 2.2 Develop a strategy to reduce peak energy demand in a non-routine operational setting. 2.3 Recommend and justify the implementation of a specific energy efficiency measure (e.g., insulation, LED lighting) based on an investigation of current usage. 2.4 Exercise responsibility for supervising the implementation of a basic energy-saving measure and documenting the results. 2.5 Review the effectiveness of an implemented energy reduction strategy by analyzing changes in utility bills or measured consumption data.

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