Human Sustainability & Climate Change

1. Overview

The purpose of this programme is to equip participants with the knowledge and practical skills to understand the principles of human sustainability, climate change, and their impact on organisations, communities, and economic sectors. Participants will develop an understanding of the relationship between people and the environment, the causes and effects of climate change, and sustainable resource management practices. The programme also strengthens participants ability to analyse environmental data, interpret statistical information, and communicate sustainability initiatives effectively within the workplace.

2. Programme Outcome:

- Explain the principles of human sustainability and sustainable development
- Describe the relationship between human activities and the environment
- Analyse the influence of political, economic, and social factors on environmental sustainability
- Explain the concept of human vulnerability and environmental resilience
- Identify sustainable alternatives for protecting natural resources
- Explain the causes, impacts, and implications of climate change
- Assess the effects of climate change on different economic sectors
- Recommend strategies to improve climate resilience and sustainability within organisations
- Collect, analyse, and interpret environmental data using statistical techniques
- Apply probability and statistical methods to support environmental decision-making
- Communicate sustainability and climate change information effectively to different audiences
- Promote environmentally responsible practices within organisations and communities

Qualification:	Certificate of Completion
Duration:	4-Months
Programme Type:	Category B – Workplace-Based Learning Programme
Programme ID:	PA0466
SAQA US:	264459, 119909, 10622, 9015
NQF Level:	5
Credits:	28
Entry Requirements:	NQF Level 4 qualification
Training Options:	**Online** - Each participant will receive access to an online portal, where all programme materials and resources are available. Training is delivered fully online, and participants will join scheduled Microsoft Teams sessions facilitated by a trainer. This mode provides flexibility and allows learners to participate from any location. **Blended** - Blended learning combines both online and face-to-face training. Participants receive access to an online portal for online content, resources, and self-paced activities. They also attend scheduled in-person contact sessions with a facilitator, either at the client's premises or providers campus. This approach offers the

flexibility of online learning with the added support of guided, interactive sessions.

Face-to-Face - Each participant will receive training resources, which contains all programme materials and resources. Training is delivered through onsite contact sessions, either at the client's premises or providers campus, where a facilitator conducts the sessions in a classroom environment.

Minimum Participants Required: (1) Online, (1) Blended & (1) Face-to-Face

3. Programme Content

- **(264459 US):** Demonstrate an understanding of human sustainability
- **(119909 US):** Explain the implications of climate change for an economic sector
- **(10622 US):** Conduct communication within a business environment
- **(9015 US):** Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems

4. Topics

Module 1: Introduction to Human Sustainability

- Principles of sustainability
- Sustainable development goals (SDGs)
- Human-environment relationships
- Resource conservation
- Environmental stewardship

Module 2: Human Vulnerability and Environmental Change

- Human dependence on natural resources
- Environmental degradation
- Social, political, and economic influences on sustainability
- Vulnerable communities
- Climate resilience and adaptation

Module 3: Climate Change Fundamentals

- Understanding climate change
- Causes of climate change
- Greenhouse gases
- Global warming
- Climate science overview

We trust that the above is in order and look forward to hearing from you for Implementation

Module 4: Climate Change and Economic Sectors

- Climate change impacts on agriculture
- Mining and manufacturing
- Logistics and transport
- Local government and infrastructure
- Business continuity and climate risk
- Adaptation and mitigation strategies

Module 5: Sustainable Resource Management

- Renewable and non-renewable resources
- Water and energy conservation
- Waste reduction and recycling
- Circular economy principles
- Sustainable organisational practices

Module 6: Environmental Data Analysis

- Collecting environmental data
- Organising and presenting data
- Statistical analysis techniques
- Graphs, tables, and trend analysis
- Probability in environmental decision-making

Module 7: Decision-Making Using Environmental Information

- Evidence-based environmental management
- Risk analysis
- Environmental reporting
- Performance monitoring
- Sustainability indicators

Module 8: Business Communication for Sustainability

- Communication channels in organisations
- Environmental awareness campaigns
- Professional report writing
- Presenting sustainability information
- Stakeholder engagement
- Communicating climate-related risks and opportunities

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5. Target Market

This programme is suitable for:

- Environmental Officers
- Sustainability Officers
- Climate Change Practitioners
- Environmental Compliance Officers
- Local Government Officials
- Agricultural Extension Officers
- Environmental Consultants
- Conservation Officers
- Corporate Social Responsibility (CSR) Practitioners
- Project Managers
- Public Sector Officials
- Operations Managers
- Community Development Practitioners

6. Assessments

This programme includes a Portfolio of Evidence (POE) that must be submitted at the end of the programme. The POE include:

- **Knowledge Assessments:** To evaluate theoretical understanding
- **Practical Assignments:** Hands-on tasks related to course topics
- **Workplace Assignments and Logbook:** Application of skills in real-world settings

Successful participants will receive a certificate of completion.

7. Workplace-Based Learning Programme

This WLP is a fusion of academic learning and practical work. The learning is directly applied to the workplace by using client-based mentors and extensive workplace-based portfolio work and assignments. Apart from the obvious benefits of a workplace directed qualification, each WLP qualifies for recognition as a Category B Skills Programme in the Learning Matrix of the Amended BEE codes, which allows for the salaries of participants to be recognized as part of the Skills Development Expenditure.

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