ENVIRONMENTAL MANAGEMENT TOOLS

Environmental management is supported by a wide range of tools. It is imperative that environmental management tools are selected, adopted and used by organisations to cover the Plan-Do-Check-Act (PDCA) phases of the typical Deming management cycle. PDCA based tools may also be supported by management standards, governance criteria and performance indicators, throughout the Deming cycle, as well as communication and reporting tools. Selecting a suite of tools that span the entire PDCA cycle is imperative as each tool is designed with a bias for a specific phase of the PDCA cycle. For effective environmental management to take place the entire PDCA cycle should be covered.

Planning tools include assessment of environmental, social and cultural impacts, lifecycle assessment as well as planning for land and resource use, waste management and environmental emergencies.

Tools supporting the implementation of environmental management include the use of standards such as ISO 14001 as well as pollution prevention and cleaner technologies. Checking and improvement tools include environmental monitoring, inspections, analysis, recording and auditing (as outlined above). Tools for reporting and communication include public participation, risk communication, conflict management and environmental reports, including new developments such as the Global Reporting Initiative (GRI), etc.

This suite of training programmes has been designed to equip students with the necessary skills and knowledge to understand, use and implement these appropriate tools for environmental management.

Environmental Impact Assessment: The National Environmental Management Act Regulations: A Practical Approach (CEM-05.1)

Dates and Fees for Potchefstroom Courses

See centrefold for dates and fees or consult the website: http://cem.puk.ac.za.

NQF Level

5

Registration for Continual Professional Development

This course has been registered with the following professional bodies for CPD recognition:

- Engineering Council of South Africa (ECSA); and
- Health Professions Council of South Africa (HPCSA).

Course Objectives and Specific Outcomes

After completion of the course, students will have:

- Knowledge and insight into key terminologies, concepts and principles used in the application of environmental impact assessment;
- Sensitivity to the diversity of statutory measures related to environmental impact assessments that have to be complied with;
- Knowledge of procedures and processes regarding the application of environmental impact assessment; and
- Knowledge of procedures and processes used for environmental impact assessment.

Student Assessment

Detailed information on student assessment is available on the website.

Entrance Requirements and Recognition of Prior Learning (RPL)

A Grade 12 certificate as a minimum and preferably also:

- some tertiary education in at least one of the fields of environmental management; or
In-house Courses

Derivatives of this course that can be presented in-house in accordance with the client’s needs:

CEM-05.1.2  EIA Administration in South Africa
CEM-05.1.3  Introduction to Environmental Impact Assessment
CEM-05.1.4  Environmental Impact Assessment Awareness

Please consult the website for more detailed information on these courses: http://cem.puk.ac.za

Environmental Risk Assessment and Management (CEM-05.2)

Dates and Fees for Potchefstroom Courses

See centrefold for dates and fees or consult the website: http://cem.puk.ac.za.

NQF Level

6

Registration for Continual Professional Development

This course has been registered with the following professional bodies for CPD recognition:

- Engineering Council of South Africa (ECSA); and
- Health Professions Council of South Africa (HPCSA).

Course Objectives and Specific Outcomes

Students that complete the course will:

- Understand the strategic foundations and principles of enterprise wide risk assessment and management;
- Understand the international and local legal risk exposures and the need for compliance;
- Understand the interface of corporate wide risk assessment and management, corporate governance of non-financial risk exposures and business ethics;
- Know general environmental risk assessment and management terminologies and concepts;
- Be able to use a generic environmental risk assessment and management procedure;
- Be able to identify environmental hazards;
- Be able to assess environmental risks using risk assessment matrices;
- Be able to classify identified environmental risks, using qualitative techniques;
- Be able to make risk management choices by using the hierarchy of risk management strategies;
- Diversify their portfolio of risk management strategies;
- Understand legal risk exposures;
- Understand ecological risk exposures and use ecological risk assessment techniques;
- Understand Industrial product based risk assessments;
- Be introduced to human safety and health risk exposures;
- Be introduced to radiation risk exposures; and
- Be introduced to risk communication and risk perception.

Student Assessment

Detailed information on student assessment is available on the website.

Entrance Requirements and Recognition of Prior Learning (RPL)

A Grade 12 certificate as a minimum and preferably also:

- some tertiary education in at least one of the fields of environmental management; or
- some basic knowledge of and some relevant activities and responsibilities in at least one of the fields of environmental management.

No formal prior learning is required, as this is an entry level course.

In-house Courses

Derivatives of this course that can be presented in-house in accordance with the client’s needs:
CEM-05.2.1a Introduction to Environmental Risk Assessment and Management

CEM-05.2.1b Introduction to Safety, Health and Environmental Risk Assessment and Management

CEM-05.2.1d Introduction to Safety, Health and Environmental Risk Assessment and Management, Including Practical Module

CEM-05.2.2 Environmental Risk Assessment and Management Awareness

CEM-05.2.3a Safety, Health and Environmental Risk Assessment and Management Awareness

CEM-05.2.3b Briefing Session: Safety, Health and Environmental Risk Assessment and Management Awareness

Please consult the website for more detailed information on these courses: http://cem.puk.ac.za

**Social and Heritage Impact Assessment (CEM-05.3)**

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**Dates and Fees for Potchefstroom Courses**

See centrefold for dates and fees or consult the website: http://cem.puk.ac.za.

**NQF Level**

5

**Registration for Continual Professional Development**

This course has been registered with the following professional body for CPD recognition:

- Engineering Council of South Africa (ECSA).

**Course Objectives and Specific Outcomes**

Specific outcomes include:

- Knowledge of how to run a business within the constraints of the social and heritage impact assessment requirements.

**Student Assessment**

Detailed information on student assessment is available on the website.

**Entrance Requirements and Recognition of Prior Learning (RPL)**

A Grade 12 certificate as a minimum and preferably also:

- Some tertiary education in at least one of the fields of environmental management; or

- Some relevant activities and responsibilities in at least one of the fields of environmental management (in particular environmental impact assessment).

No formal prior learning is required, as this is an entry level course.

**In-house Courses**

The following courses in this group of courses can be presented in-house in accordance with the client’s needs:

CEM-05.4 Corporate Governance: Social Responsibility, Triple Bottom Line and Global Reporting Initiative

CEM-05.4.1 Awareness of Corporate Governance: Social Responsibility, Triple Bottom Line and Global Reporting Initiative

CEM-05.6 Conflict Management

CEM-05.6.1 Unlocking the Value of/In Partnerships for Mutual Gain and Sustainability

Please consult the website for more detailed information on these courses: http://cem.puk.ac.za