

**Learning Topic: Environmental Impact & Life Cycle Assessments (ISO 14001/14040/14041)**

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**Course Name: Environmental Impact & Life Cycle Assessments (ISO 14001/14040/14041).**

**Reference Code : SAF 314**

**Description:**

Environmental Impact Assessment (EIA) can broadly be defined as a study of the effects of a proposed project, plan or program on the environment.

Life cycle thinking is a way of addressing environmental issues and opportunities from a system or holistic perspective. In this way of thinking, a product or service is evaluated or designed with a goal of reducing potential environmental impacts over its entire life cycle.

In this training, you will learn how to develop EIA and to reduce a product's resource use and emissions to the environment as well as improve its socio-economic performance through its life cycle.

**Course Objective:**

By the end of this course you will be able to:

- List the drivers and benefits for carrying out environmental risk assessments
- Effectively plan an Environmental Impact Assessments of your organization
- Undertake baseline surveys, use of prediction methods, use significance criteria, application of mitigation measures and monitoring regimes.
- Integrate the EIA process with the facility system

**Program Methodology:**

This interactive training/workshop provides intense learning opportunities provided through wide ranging discussions, live audit scenarios, presentations, related videos, group workshops, etc. The course characterizes sustained interest, enthusiasm and participation displayed by the participants throughout the program.

This course covers the EIA process from start to finish and each stage is illustrated with case studies and examples.

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## Who Should attend?

- Staff responsible for setting up environmental management systems;
- Staff wishing to reduce risk and liability for their organization through sound Environmental management practices, principles and procedures;
- All managers and staff involved in environmental management and who need an appreciation of the techniques and principles involved in EIA, risk assessment, waste management, waste minimization, material re-use, recovery and recycling

## Course Outline:

### 1. INTRODUCTION MODULE

- Introduction
- Basic concepts
- Importance and roles of EIA
- Values and principles of EIA
- Cost and benefit of EIA
- Approaches and methods
- EIA in the project cycle
- Relevant video and elaboration

### 2. SCOPING MODULE

- Definition
- Objectives of scoping
- Relevancy of scoping
- Methodology
  - Stakeholder involvement
  - Information requirement
  - Consideration of project alternatives
  - Consideration of project boundaries
- Responsibilities for scoping
- Scoping report and the Terms of Reference for a full EIA
- Case study and exercises

### 3. IMPACT ASSESSMENT MODULE

- Levels of Environmental Impact Assessments
- Important parameters for impact assessment
- Steps in impacts assessment

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- Significance evaluation criteria
- Guiding principles for determining impact significance
- Relevant video and elaboration
- Group workshop

#### 4. IMPACT MITIGATION AND MANAGEMENT MODULE

- Objectives of mitigation measures and impact management
- Elements of mitigation and principles for their application
- Approaches to impact mitigation
- Environmental management plans
- Relevant video and elaboration
- Exercise

#### 5. ENVIRONMENTAL AUDIT MODULE

- Specific objectives
- Relevance
- Types of Audit
- Methodology
- Responsibilities
- Audit procedures
- Audit reports

Course Duration	Date	Venue	Course Fee
5 Days			

**Time:** 08:00 AM -03:00 PM

**Numbers of hours:** 30 Hours

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