

Course Name: Marine Environmental Protection

Code: MAR 804

Course Objective:

The objective of this course is to support the subject area of:

Marine environment and marine pollution - Legal framework of marine environmental protection - Principles of Environmental Impact Assessment (EIA) - An approach to The Comprehensive concept of Environmental Management - Oil, the most famous marine pollutant, sources, impacts and statistics - Oil Spill Contingency plans, Legal Framework and information data base.

Course Aim:

To provide and develop basic marine environmental awareness and consciousness for the trainees. To establish a comprehensive legal and technical background of international procedures and regulations controlling marine pollution prevention, mitigation and combating for trainees.

Program Methodology:

Teacher controlled (Lectures and Lab.)

Who Should attend?

Staff work in marine environmental protection - Principles of Environmental Impact Assessment (EIA)

Course Outline:

1. Introduction, definitions, marine environment, marine pollution and legal framework of marine environmental protection.
2. Legal framework of marine environmental protection.
3. Principles of Environmental Impact Assessment (EIA).
4. An approach to The Comprehensive concept of Environmental Management.

United Arab Emirates

Emirates Towers, Level 41 Sheikh Zayed Road
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5. Hazard, risk, risk assessment, evaluation and tolerability of risk.
6. Risk management cycle, Case study of Risk Management.
7. Oil, the most famous marine pollutant, sources, impacts and statistics
8. Types and Characteristics of Oil.
9. Fate and behavior of Oil in the marine environment .
10. Levels, Components and efficiency of Oil Spill Contingency Plans,
11. Oil Spill Contingency plans, Legal Framework and information data base.

Reference Books:

Code:RB1

Timothy O'Rriordan, Environmental Science for Environmental Management.
ISBN 0-582-21889-6

Tutorial:

A Group task to be given to students on (EIA, Environmental Management, Environmental Risk Assessment or Oil Spill Contingency Plans).
Continue the Group task on (EIA, Environmental Management, Environmental Risk Assessment or Oil Spill Contingency Plans).

MPC3/2-1Laboratory Workshop:

Computer Applications, on the Automated Data Inquiry for Oil Spills (OIL MAPS)
Computer Software.
Computer Applications, on the Automated Data Inquiry for Oil Spills (OIL MAPS)
Computer Software.

Time: 08:00 AM -03:00 PM

Numbers of hours: 35 Hours

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