

Marine Coastal and Delta Sustainability for Southeast Asia

Learner's Manual

Integrated Marine Pollution Control LOB 31603



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1.0 Introduction

This course will expose students on how to handle various marine pollution issues from its sources, international regulations in the protection and compensation in marine pollution as well as the responses required in the control and management of marine pollution.

Upon completion of this course students should be able to:

1. Explain the types and forms of marine pollution.
2. Identify the relevant international conventions for marine pollution.
3. Examine the correct responses required when there is a marine pollution.
4. Analyze the various legal requirements in handling marine pollution issues.
5. Develop a contingency plan for combating marine pollution.



2.0 Course Structure

2.1 Learning Schedule

Topic	Description
Topic 1	<p>GENERAL INTRODUCTION TO MARINE POLLUTION</p> <p>a) Definition of pollution b) Major forms of pollution c) Marine pollution. d) Terminology of various marine pollutants.</p>
Topic 2	<p>SOURCES OF MARINE POLLUTION</p> <p>a) Cargo ships b) Passenger ships c) Tanker ships d) Port activities e) Bulk carriers.</p>
Topic 3	<p>EFFECT OF OIL SPILLS</p> <p>a) Environmental impact b) Recovery methods c) Economic impact.</p>
Topic 4	<p>MARINE ENVIRONMENT PROTECTION</p> <p>a) International Convention For The Prevention Of Pollution From Ships 1973/1978 (MARPOL) b) International Convention On Oil Pollution, Preparedness, Response and Co-operation 1990. (OPRC) c) Ratification of MARPOL and OPRC and its implications.</p>
Topic 5	<p>LIABILITY AND COMPENSATION</p> <p>a) International Convention on Civil Liability for Oil Pollution Damage, 1992 (CLC '92) b) International Convention on the establishment of an International Fund for Compensation for Oil Pollution Damage. (FUND CONVENTION '92)</p>



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- c) Ratification of CLC '92 and Fund Convention '92 and its implications.
- d) Bunker Convention 2001

Topic 6

NATIONAL CONTINGENCY PLAN FOR COMBATING OIL SPILL FROM SHIP

- a) Introduction to the national contingency plan
- b) The formation and the role of tier 1 plan
- c) The formation and the role of tier 2 plan
- d) The formation and the role of tier 3 plan

Topic 7

OIL SPILL CLEAN UP OPERATON

- a) Mechanical containment and recovery of oil spill
- b) The use of oil spill dispersant
- c) Dispersant and its function in oil spill response.

Topic 8

GLOBAL INSTRUMENTS IN MARINE POLUTION

- a) Various conventions covered globally
- b) Impact on shipping industries globally
- c) Ratification of the instruments
- d) Nations economic impact.

Topic 9

REGULATION AND MONITORING

- a) Enactment of the International Conventions as national law
- b) I.M.O. voluntary audit scheme
- c) Active role and quick response within the national maritime authorities.



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2.0 Course Structure

2.2 Mode of Delivery



Course were thought online using Microsoft Teams application. Link to the webinar will be provided by teacher through email or e-learning platform.



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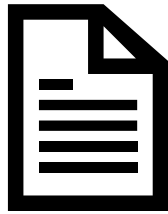
2.0 Course Structure

2.3 Teaching Strategy



Teaching and Learning

Teaching and learning will be via lecture, tutorial sessions, group discussion and collaborative learning. Students will also be required to do their own self-study and information gathering on their own for certain topics, homework, and assignments.



Assessment

Assessments will be both formative and summative. Student learning will be assessed using quizzes, oral presentations, group assignments, tests and final exam.



2.0 Course Structure

2.4 Learning Material

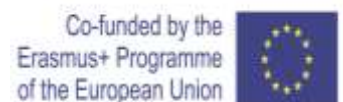


Lectures

Lecture Notes

- [1.0 INTRODUCTION TO OIL SPILL_ part 1 c and d_ marine pollution.pptx](#)
- [1.0 INTRODUCTION TO OIL SPILL_ part 1_ definition and major forms.pptx](#)
- [2.0 SOURCES OIL SPILL PPT SLIDES.pptx](#)
- [2.0 SOURCES OIL SPILL PPT SLIDES.pptx](#)
- [3.0 EFFECTS OF OIL SPILL PPT SLIDES.pptx](#)
- [3.1 OIL SPILL EFFECT PPT SLIDES.pptx](#)
- [5.0 CONSEQUENCES AND REMEDIES PPT SLIDES_ others.pptx](#)

All learning materials such as lecture notes, videos and articles related to the learning topics will be made available online in e-Learning platform.








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2.0 Course Structure

2.3 Additional Learning Material (video/notes/articles)

Video Related to Course

-  VIDEO 1-TOP 10 IN HISTROY
-  VIDEO 2 _ TYPES OF POLLUTION
-  VIDEO 3_INTRODUCTION TO MARINE POLLUTION
-  VIDEO 4_OCEAN POLLUTION
-  VIDEO 5_OIL SPILL POLLUTION

All additional materials such as lecture notes, videos and articles related to the learning topics will be made available online in e-Learning platform.



2.0 Course Structure

2.4 Assessment

Type of Assessment	% Contribution
Quizzes	10%
Assignment	20%
Written Test	30%
Final examination	40%
TOTAL	100%



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3.0 Course Structure

3.1 Course Reading List

No.	References
1.	IMO (2003), MARPOL – How to do it, 2002 Edition, IMO, London
2.	IMO (2007), International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL 73/78).
3.	International Convention On Oil Pollution, Preparedness, Response and Co-operation 1990. (OPRC)
4.	Bell, Stuart & McGillivray, Donald (2005), Environmental Law, 6 th Edition, Oxford University Press, UK.
5.	Birnie, P. & Boyle, A. (2003), International Law & the Environment, 2 nd Edition, Oxford University Press, UK.
6.	Churchill, Robin & Lowe, Vaughan (1999), The Law of the Sea, Third Edition, Manchester University Press, UK
7.	DOALOS (1982), United Nations Convention on the Law of the Sea, United Nations, New York.
8.	Sands, Philippe (2003), Principles of International Environmental Law, 2 nd Edition, Cambridge University Press, UK.

