



Oceania e-Learning@UMT
Pelajar Ijazah Degree Students



Join me in
**Environment - Issue and
Global Perspective
(MMS3003)**
Semester I 2022/2023

Sunday | 4:00 – 6:00PM | BK4-04
Wednesday | 9:00 – 10:00AM | IBH11

**Associate Professor Ts. ChM.
Dr. Ong Meng Chuan**
Marine Science Program



Marine Coastal and Delta
Sustainability for Southeast Asia



Co-funded by the
Erasmus+ Programme
of the European Union





— MMS3003 — ENVIRONMENT – ISSUE AND GLOBAL PERSPECTIVE





ENVIRONMENT – ISSUE AND GLOBAL PERSPECTIVE

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Overview

The main course objective is to teach the concepts of environmental problem at the global view. Students will learn how to propose appropriate methods or strategies to solve the environmental problem such as pollution and conserve our resources.

Synopsis

This course introduces the student with environmental science knowledge and develops the ability to understand global environmental issues. Students will be able to devise ethical and politically viable plans and strategies to address these issues while balancing the impacts on the society and economy.



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Learning Outcome

By end of the course, we hope the students will achieve these outcomes;

1. Explain clearly the basics of environmental science and the function of the earth in the context of human interaction with the earth.
2. Describe the role of humans in solving the environmental issues.
3. Examine the current pollution issues and suggest appropriate plans to minimize the pollution.
4. Identify and suggest holistic and framework solutions related to global environmental problems.
5. Suggest relevant mitigation steps toward sustainable development based on environmental perspectives and ethics.



Learner's Manual

ENVIRONMENT

ISSUE & GLOBAL PERSPECTIVE
(MMS 3003)





LECTURE NOTES



LECTURE 1 - GLOBAL ISSUE AND SUSTAINABILITY

This lecture discusses the concept of environmental science and sustainability, how our ecological footprint affected the environment and the types of pollution that commonly occurs around us. The students also are given an opportunity to suggest how we can care for our environment.



LECTURE 2 - ENVIRONMENTAL POLLUTION ISSUES

This lecture discusses what are the major pollutions that occur in our environment, the sources of these pollutions and their impact on our environment. Students are given an opportunity to suggest how to solve these pollution problems.



LECTURE 3 - ACT LOCALLY THINK GLOBALLY

This lecture discusses what is our role as individual to care for and protect the environment. Students are given an opportunity to suggest what action can be taken in their own communities and cities.



LECTURE 4 - CLIMATE CHANGE AND GLOBAL WARMING

This lecture discusses how the weather and climate affected climate change and global warming and what are the impacts on the environment. Students are given an opportunity to suggest how we can involve to minimize the effect.



LECTURE NOTES



LECTURE 5 - CARE OUR HOME

This lecture is based on video watching on how pollution affected the environment. Students are needed to summarize the documentary and presented to the class.



LECTURE 6 - OCEAN RESOURCES AND VALUES

This lecture discusses what are the resources from the ocean and issues related to ocean mining activities, overfishing and biodiversity loss. Students are given an opportunity to present how we can minimize the impact and what policies related to ocean resources management.



LECTURE 7 - RENEWABLE AND NON-RENEWABLE ENERGY RESOURCES

This lecture discusses the concept of renewable and non-renewable energy in our environment. Students are given an opportunity to suggest how these resources can be used sustainably.



LECTURE 8 - PERSPECTIVES OF HUMAN'S RELATIONSHIP WITH NATURE

This lecture discusses the understanding human-nature relationship across space and time and animism belief in modern civilisation. Students are given an opportunity to suggest what environmental activism can be conducted to protect the environment.



LECTURE NOTES



LECTURE 9 - POLITICS, SOCIO-ECONOMIC, ENVIRONMENT, AND SUSTAINABLE DEVELOPMENT

This lecture discusses the global commitment to control climate change and pollution problems, how these environmental issues affected the social and economy of the countries. Students are given an opportunity to suggest how to minimize the problem if they act as policy makers.











VIDEO RELATED TO ENVIRONMENT

-  Environmental Science
-  Sustainability
-  Major Current Environmental Problems
-  One Earth
-  Top 10 worst environmental issues
-  Tsunami in Japan
-  El Nino and La Nina
-  Understanding ENSO
-  Ozone depletion
-  Causes and Effects of Climate Change
-  What is climate change?



GLOBAL NEWS

-  Suez Canal blocked by traffic jam after massive container ship runs aground
-  21 Reasons Why Forests Are Important
-  Antarctica's ice shelves are trembling as global temperatures rise – what happens next is up to us
-  Marine species increasingly can't live at equator due to global heating
-  Climate change shrinks marine life richness near equator -study
-  Carbon recyclers: how ocean ecosystems help fight climate change
-  Five sustainability lessons we can learn from our grandparents
-  Top 10 environmental news stories of 2020



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ENVIRONMENT – ISSUE AND GLOBAL PERSPECTIVE



ASSIGNMENT 1 (Individual)

- ✓ 5 Pollution Issue
- ✓ Not more than 7 pages including frontpage and list of references
- ✓ Infographic writing



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ENVIRONMENT – ISSUE AND GLOBAL PERSPECTIVE



ASSIGNMENT 2 (Group)

- ✓ 5 environmental issue (different element)
- ✓ In infographic poster form (portrait A4 size) – each element 1 poster
- ✓ Submit as 1 file



POSTER PRESENTATION

- ✓ Choose 4 SDGs related to this subject
- ✓ In ONE poster A4 size, briefly describe the SDGs
- ✓ Infographic and interactive poster
- ✓ No format, as long as clear and nice

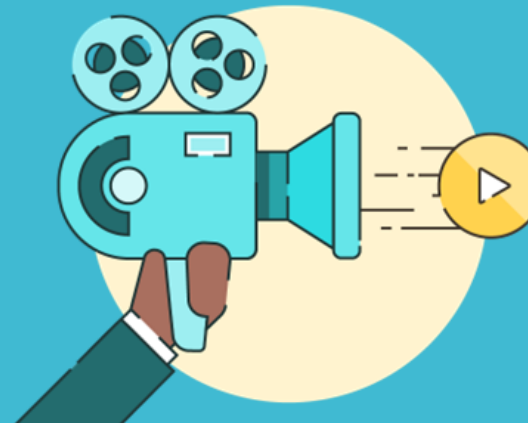
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**ENVIRONMENT –
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VIDEO PRESENTATION (Group)

- ✓ 1 group = 4 students
- ✓ Covid-19
- ✓ Each student = < 1 minutes introduction
- ✓ Hold message
- ✓ #tag.. 3 per group
- ✓ Video presentation



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Industry in Classroom MMS3003

8 Jan '23 (Sunday)
4PM
BK4-04 UMT

TURTLE POPULATION IN
MALAYSIA? IS IT WORRYING?

Wan Zuriana Wan Sulaiman

Project Manager, Lang Tengah Turtle Watch



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