Oceania e-Learning@UMT

Pelajar Ijazah *Degree Students*

MMS3623 – MARINE RESOURCES MANAGEMENT

MARINE RESOURCES MANAGEMENT (MMS3623)

Turn editing off

Welcome to join us

Open for registration:
August 2021 onwards

Subject Start Date:
Semester II 2021/2022

Topics

1. Introduction to Marine Resources
2. Conservation of Marine Resources
3. Pollution of Marine Resources
4. Fisheries Resources Sustainability
5. Seafood Safety and Security
6. Policies and Acts to Manage Marine Resources
7. Current Issues Discussion

Learning Outcomes

Correctly interpret the management of marine resources available and the interaction between biotic and abiotic factors without affecting the carrying capacity of the ocean
Demonstrate relevant ideas or models to overcome the problems of marine resource pollution.
Clearly explain policies and acts that are widely used for sustainable marine resources management.

Course Summary

This course introduces the concepts of marine resources and management of marine environments, its complex interactions between flora and fauna ecosystem include fisheries resources, coral reefs communities and mangrove forests. Students will gain a knowledge and understanding of marine pollution, fisheries resources management, food security and safety, marine conservation, marine protected areas, coastal zone management, strategies for sustainable development and other topics of contemporary relevance. The course also will highlight the marine resources policy and the environmental and social implications of that policy. The current issue related to marine resource pollution also will be discussed in this course.

Instructors

Assoc. Prof. Dr. Ong Meng Chuan

Dr. Adiana Ghazali

Dr. Tuan Mohamad Fauzan Tuan Omar

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

COURSE INTRODUCTION

— MMS3623 —
MARINE RESOURCES MANAGEMENT

Lecturer

ONG MENG CHUAN

ADIANA GHAZALI

Clock

Server: Sat 12:15pm

You: Sat 12:15pm

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The aim of the course is to provide students with the concepts and inventory of marine resources, marine resources policy and its implication and management of marine environments, its complex interactions between flora and fauna ecosystem include fisheries resources, coral reefs communities and mangrove forests.

SYLLABUS & MyCA

- MMS3623 SYLLABUS
- MMS3623 MyCA

E-LEARNING FOR

DEGREE STUDENT

SESSION 2 2020/2021

e-Learning Support

By Phone :

1st Level Support

(09-6683674)

(09-6683384)

(09-6684434)

LECTURE NOTES

LECTURE 1 – INTRODUCTION TO MARINE RESOURCES

This lecture discusses the definition of marine resources, type of resources and how human associate with the resources. Students are given an opportunity to present the important and usage of marine resources.

LECTURE 2 – CONSERVATION OF MARINE RESOURCES

This lecture discusses the importance of marine biodiversity to human and environment; and IUCN Redlist organisms. Students are given an opportunity to suggest how to protect the resources and present what is marine protected area.

LECTURE 3 – POLLUTION OF MARINE RESOURCES

This lecture discusses the type and effect of pollution on marine resources. Students are given an opportunity to suggest prevention and control of marine pollution.

LECTURE 4 – FISHERIES AND RESOURCES SUSTAINABILITY

This lecture discusses the fish population and stock in our ocean, and the importance to harvest the fisheries resources sustainably. Students are given an opportunity to suggest how to protect this resources for future generations.

LECTURE NOTES

LECTURE 5 – SEAFOOD SAFETY AND SECURITY

This lecture discusses the seafood contamination by biological and chemical hazard, the seafood safety guidelines and quality control in the resources. Students are given an opportunity to suggest how to ensure the safety and quality of the seafood resources.

LECTURE 6 – POLICIES AND ACTS TO MANAGE MARINE RESOURCES

This lecture discusses the laws and policies related to the marine resources management such as fisheries, coral reefs and mangrove ecosystem. Students are given an opportunity to suggest how to apply these policies if they act as policy makers.

VIDEO RELATED TO ENVIRONMENT

- Marine Resources
- Sustainable Oceans: Marine Biodiversity for the Future We Want
- How to Save Our Planet
- Ocean Exploration and Sustainable Use of Marine Resources
- Sustainable Use of Marine Resources
- Marine Resources and Their Use
- Sustainable Management of Marine Resources
- The Economics of Marine Resources and Biodiversity
- Marine Resources Documentary
- Protecting Our Marine Resources

ASSIGNMENTS

ASSIGNMENT 1 – TYPES OF MARINE RESOURCES

What are the main marine resources that Malaysia have? Discuss in infographic form (Poster format) with pictures.

ASSIGNMENT 2 – MARINE POLLUTION

What are the main marine pollution that affected our environment? Discuss 5 types of pollution including sources and impact to human, organisms and environment.

ASSIGNMENT 3 – POLICIES RELATED TO MARINE RESOURCES

Imagine you are working with government that in charge the marine resources? Discuss how you can apply those policy to (1) fisheries resources; (2) marine park; (3) mangrove ecosystem.

MARE COURSE EVALUATION

MMS3623 MARINE RESOURCES MANAGEMENT

No data in this section.

This course will be offered in next semester (October 2021) if the UMT Senate approve the course.