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Marine Coastal and Delta Sustainability for Southeast Asia

OCEAN ENVIRONMENTAL MANAGEMENT

Vietnam Maritime University

OVERVIEW

- COURSE NAME: OCEAN ENVIRONMENTAL MANAGEMENT
- CODE: MARE-VMU-P6-01
- LEVEL: BACHELOR'S COURSE
- LANGUAGE: VIETNAMESE AND ENGLISH
- LINK: http://mare.vimaru.edu.vn/tin-tuc/ocean-environmental-management-bachelors-course-mare-vmu-p6

COURSE INTRODUCTION

mare.vimaru.edu.vn/tin-tuc/ocean-environmental-management-bachelors-course-mare-vmu-p6

Qua tang, Nuoc uo... | Activities - Tập tin -... | Final - UNCLOUD | Exchange rate (Info... | Distance Calculator... | QHQT - So theo doi...

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Ocean Environmental Management - Bachelor's course (MARE-VMU-P6)

Credits: **4.5 ECTS**

Lecturers: **DINH THI THUY HANG, TRAN DUC PHU**

Level: **Bachelor**

COURSE OUTLINE

Week	Topics
Week 1	The world oceans
Week 2	How climate change alters the ocean chemistry
Week 3	Climate change impacts on marine ecosystems
Week 4	Living resource and medical knowledge from the sea
Week 5	Marine minerals and energy, and maritime highways
Week 6	Polluting the seas
Week 7	Oil spill (revised)
Week 8	Pollution cleanup (revised)
Week 9	Coastal processes and classification
Week 10	Coastal erosion and flooding (revised)
Week 11	Coastal protection and shoreline management (revised)
Final exam	

COURSE SYLLABUS

mare.vimaru.edu.vn/tin-tuc/vmu-syllabi-mare-courses

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VMU - Syllabi for MARE courses

Based on the results of surveys in the first period of MARE project, the VMU's coordinating board had consulted carefully with expertized faculties and institutes to decide which parts need to be revised and adjusted. After that, syllabus of courses has been gradually made and completed to be well-prepared for training. A syllabus consists of clear objectives, targeted group, timetable, desired learning outcomes and learning methods. Furthermore, Vietnam Maritime University and Ho Chi Minh University of Natural Resources and Environment collaborated on creating and developing the learning program with the purpose of enhancing interaction and efficiency among partner institutions in Vietnam. The syllabi for MARE courses are mentioned as the following attached files.

1. Hydro-Meteorology
2. Port and Marine constructions
3. Sustainability in coastal construction
4. Control and management of marine environment
5. Environmental Law and Policy
6. Ocean Environmental Management

Attachment	Size
vmu-mare-syllabi.rar	1.09 MB

Contact us

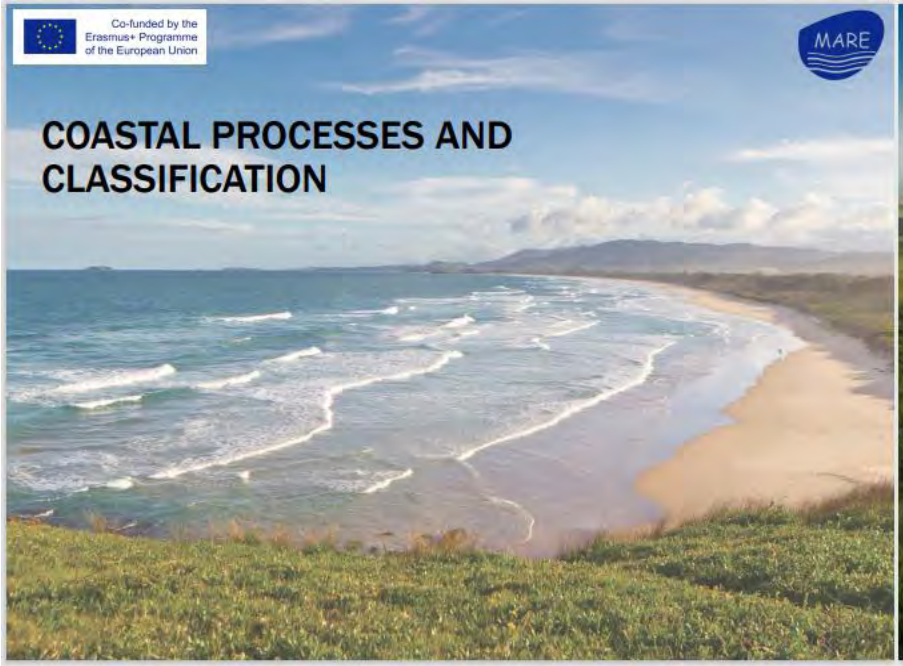
E-LEARNING MATERIALS

Drive của tôi > VMU-MARE-E-lear... > 1. VMU-Ocean Environm... > ppt Ocean Environmetal managem...

Tên	Chủ sở hữu	Sửa đổi lần cuối	Kích cỡ tệp
Lesson 8. Coastal protection and shoreline Management...	tôi	09:17 tôi	10,9 MB
Lesson 7. COASTAL EROSION&FLOODING_V1.pdf	tôi	09:17 tôi	13,3 MB
Lesson 6. COASTAL PROCESSES&CLASSIFICATION_V1....	tôi	09:16 tôi	16,7 MB
Lesson 5. Ocean environmental regulations.pdf	tôi	09:16 tôi	6,8 MB
Lesson 4-Pollution cleanup-HANG.pdf	tôi	09:16 tôi	4,6 MB
Lesson 3. Oilspill.pdf	tôi	09:16 tôi	17,5 MB
Lesson 2. Marine minerals and energy.pdf	tôi	09:16 tôi	2,2 MB
Lesson 1. The world oceans_OEM 2020.pdf	tôi	19 thg 8, 2021 tôi	25,8 MB
desktop.ini	tôi	19 thg 8, 2021 tôi	136 byte
.DS_Store	tôi	30 thg 7, 2021 tôi	6 KB

OIL AND GAS

- Oil and natural gas are naturally occurring chemicals that are made up of just two elements -- carbon and hydrogen.
- The class of chemicals based on carbon and hydrogen are called hydrocarbons.
- The simplest hydrocarbon, methane, is made up of one carbon atom and four hydrogen atoms.
  - Other hydrocarbons like octane and octadecane have more complicated structures.
  - Plastics are made of molecules called polymers that are very long chains of hydrocarbons.



OBJECTIVES

- Description of coastal terms
- The beach materials and their origins
- The basic hydrodynamics (waves, currents, water-levels) and meteorological factors (wind)
- The morphological processes and form elements
- The shoreline evolution.

Coastal Erosion and Beach Loss

- A natural process that redistributes sediments along coasts
- Becomes a problem when coastal development impedes or ignores the natural movement of sediment along the shore
- Exacerbated by continued sea level rise

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