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**Marine Coastal and Delta Sustainability for Southeast Asia**

# **PORT AND MARINE CONSTRUCTIONS**



Vietnam Maritime University

# OVERVIEW



- COURSE NAME : PORT AND MARINE CONSTRUCTIONS
- CODE : MARE-VMU-P6-03
- LEVEL : BACHELOR'S COURSE
- LANGUAGE: VIETNAMESE AND ENGLISH
- LINK: <http://mare.vimaru.edu.vn/tin-tuc/port-and-marine-constructions-bachelors-course-mare-vmu-p6>



# COURSE INTRODUCTION

secure | [mare.vimaru.edu.vn/tin-tuc/port-and-marine-constructions-bachelors-course-mare-vmu-p6](http://mare.vimaru.edu.vn/tin-tuc/port-and-marine-constructions-bachelors-course-mare-vmu-p6)



pearance People Modules Configuration Reports Help



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## Port and Marine Constructions - Bachelor's course (MARE-VMU-P6)

View

Edit

Manage display

Coordinator: **Vietnam Maritime University**

Credits: **3 ECTS**

Lecturers: **Tran Duc Phu**

Level: **Bachelor**

Host institution: **Ho Chi Minh City University of Natural Resources and Environment**



# COURSE OUTLINE

Week	Topics
Week 1&2 development	Overview of ports and the role of ports in economic
Week 3&4	Basic factors to consider in port planning & design
Week 5&6	Environmental conditions
Week 7 & 8	Planning and designing port's land
Week 9 & 10	Port's waters planning and design
Week 11 & 12	Mechanization of cargo handling in ports
Week 13 & 14	Port warehouse design and plan
Week 15	Marine constructions and auxiliary equipments



# COURSE SYLLABUS

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

[Qua tang, Nuoac uo...](#) [Activities - Tập tin -...](#) [Final - UNCLOUD](#) [Exchange rate \(Info...](#) [Distance Calculator...](#) [QHQT - So theo doi...](#)



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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-learning materials > 3. VMU.03 - Port & Marine Construction ▾



Tên ▾	Chủ sở hữu	Sửa đổi lần cuối	Kích cỡ tệp
 VMU.03.3 - Port-Ship interface.ppt	tôi	19 thg 8, 2021 tôi	5 MB
 VMU.03.2 - Factor affecting Port Design.pptx	tôi	19 thg 8, 2021 tôi	556 KB
 VMU.03.1 - Port Introduction & classification.pptx	tôi	19 thg 8, 2021 tôi	539 KB
 desktop.ini	tôi	19 thg 8, 2021 tôi	136 byte



Slides

Outline

X

1

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**PORT & MARINE CONSTRUCTION**

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2

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**CHAPTER 1. OVERVIEW OF VIETNAM'S SEAPORT SYSTEM**

- Scope of concept
- The role of seaports
- Functions of seaports
- Priority
- The development process of Vietnam's seaport system
- Current status of Vietnam's seaport system

3

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**DEFINITION OF SEAPORT**

Article 10 of the Vietnam Maritime Code 2009: "A seaport is a complex consisting of land and sea works, such as wharves, moles, breakwaters, and other facilities, which are situated on the coast and are used for the loading and unloading of cargo and passengers, and for other maritime activities."

4

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5

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# PORT & MARINE CONSTRUCTION

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Slides

Outline

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### Content

- Introduction to ports and port-area emissions
- Shipborne in-port and port-area operations
- Technologies for port-air quality / GHG reductions
- Ship-to-port operational energy efficiency measures
- Onshore power supply (OPS)
- Green port initiatives and port environmental programs

3

### Introduction to Ports and Port-area Emissions

4

### Port management and



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# Ship-Port Interface and Energy Efficiency



**Dr. Tran Duc Phu**  
**Vietnam Maritime University**



## Port & Marine Construction

### Joint Course between VMU and HCMUNRE

2021

Click to add notes

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Retrospect

English (U.S.)





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