



Marine Coastal and Delta Sustainability for Southeast Asia

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# CLIMATE CHANGE MITIGATION AND ADAPTATION

**Assoc. Prof. Nguyen Hieu Trung**

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# LECTURE NOTES



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## Principles of adaptation and mitigation of impacts of climate change

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- Level Master
- This document is available in Vietnamese & English
- Target student audiences Master in Climate Change & Delta Management

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# SUMMARY

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This presentation aims to provide students with knowledge and information on of climate change mitigation and adaptation concepts and practices. This presentation will focus on main contains:

- Understanding climate change, it causes and impacts (concepts such as adaptation and mitigation, causes and risks) and implications for food security, agriculture, aquaculture and natural resource management;
  - Concepts and assessment of vulnerability, resilience, coping strategies and sustainable development processes;
  - Informatics throughout grid eco-system evaluation and management
  - Social system innovation to climate change; and
  - Practice on design sustainable society
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# LECTURE NOTE CONTENTS

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## **Chapter 1: CLIMATE CHANGE MITIGATION AND ADAPTATION**

Understanding climate change, its causes and impacts (concepts such as adaptation and mitigation, causes and risks) and implications for food security, agriculture, aquaculture and natural resource management;

## **Chapter 2: VULNERABLE, RESILIENCE, AND COPING STRATEGY**

Concepts and assessment of vulnerability, resilience, coping strategies and sustainable development processes

## **Chapter 3: GRID ECO-SYSTEM EVALUATION AND MANAGEMENT**

Informatics throughout grid eco-system evaluation and  
management

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# LECTURE NOTE CONTENTS

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## **Chapter 4: GOVERNANCE AND SOCIAL SYSTEM**

Social system innovation to climate change and  
Practice on design sustainable society

## **Chapter 5: PROJECT DESIGN FOR FUTURE SOCIETY**

Social system innovation to climate change and  
Practice on design sustainable society





# THANK YOU

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