

1. INFORMATION OF COURSE AND LECTURER

- 1.1. Course name and code: **Planning for Aquaculture development –AQ627**
- 1.2. Course specification: 2 Cred. (30 theory hours, 0 practice hours, 0 internship hours, 0 project hours, 0 thesis hours, 0 and 60 self-study hours, 60 hours)
- 1.3. Prerequisites courses: Non
- 1.4. Responsible Department: Department of Fisheries Management and Economics
- 1.5. Information of lecturer:
 - Name: Assoc. Prof. Dr. Truong Hoang Minh
 - Email: thminh@ctu.edu.vn
- Co-teaching lecturer:
 - Name :
 - Email:

2. COURSE DESCRIPTION

The lecture provide 4 major contents which consist of (1) global and national aquaculture development and issues; (2) concepts in aquaculture planning and management; (3) design and implementation of planning; and (4) tools and methods of aquaculture planning.

3. COURSE EXPECTED LEARNING OUTCOMES

Theoretically:

- Understand Global and national aquaculture development and issues
- Understand basic concepts in aquaculture planning and management
- Participate in designing and implementation for aquaculture planning
- Appliacion tools and methods of aquaculture planning and zoning.

4. COURSE CONTENTS

Chapters	Hours (T/A/P)
<p>Chapter 1. Global and national aquaculture development and issues This chapter will provide knowledge of Global and national aquaculture development and issues</p>	4/0/0
<p>1.1. Aquaculture development in the World and Vietnam</p>	2
<p>1.2. Prospects, benefits, roles, issues in aquaculture</p>	2
<p><i>In order to understand well this chapter, students should read references of [1] and finding articles on aquaculture, economy and environment; Download and reading articles from Journals of</i></p>	

<i>aquaculture and environment and websites of VASEP, MARD</i>		
Chapter 2.	<p>Concepts in aquaculture planning and management This chapter will provide knowledge of basic concepts in aquaculture planning and management</p> <p>2.1. Basic concepts in zoning and planning 2.2. Natural resources, environment, biodiversity and management</p> <p><i>In order to understand well this chapter, students should read references of [1], [2], [3], [7]</i></p>	<p>4/0/0</p> <p>2 2</p>
Chapter 3.	<p>Design and implementation of planning and management This chapter will provide knowledge of designing and implementation for aquaculture planning</p> <p>3.1. Planning process 3.2. Aquaculture governance, policy formulation, strategy development and planning 3.3. Principles of planning and management</p> <p><i>In order to understand well this chapter, students should read references of [2], [3], [5]</i></p>	<p>8/0/0</p> <p>2 2 2</p>
Chapter 4.	<p>Tools and methods of aquaculture planning This chapter will provide knowledge of application tools and methods of aquaculture planning and zoning</p> <p>4.1. Administrative and economic instrument 4.2. Institutional, political and stakeholder analysis 4.3. Technique of participatory rural appraisal (PRA) 4.4. Environmental impact assessment 4.5. Evaluation of socio-economic and technical aspects 4.6. Application of remote sensing and geographical information system 4.7. Analytical technique in suitable aquaculture zoning</p> <p><i>In order to understand well this chapter, students should read references of [2],[3],[4], [5], [6], [7], [8]</i></p>	<p>14/0/0</p> <p>2 2 2 2 2 2 2</p>

Practical: No

5. TEACHING METHODS AND ASSESSMENT

5.1. Teaching methods:

- Using power point, explanation, guiding for group discussion
- Stating of circumstances and guiding students discussion and analysis

- Guidance students the ways to find scientific articles and learn themselves

5.2. Assessment methods:

No.	Point components	Rules and Requirement	Weights	Objectives
1	Lecture attendance	Attendance 80%	10	3.3.1
2	Assignment	Reading articles, writing report and presentation	20	3.1.1 to 3.1.4; 3.2.1 to 3.2.5, 3.3.2, 3.3.3
3	Mid-semester exam	Writing	20	3.1.1 to 3.1.4; 3.2.1, 3.3.1
4	Final exam	Writing	50	3.1.1 to 3.1.4; 3.2.1; 3.3.1

6. READING REFERENCES

[1] Handout

[2] Colin, E. Nash., 1995. *Aquaculture sector planning and management*. Fishing News Books

[3] FAO, 1999. *Planning and management for sustainable coastal aquaculture development*

[4] Robert Kay and Jacqueline Alder, 1999. *Coastal planning and management*. New York

[5] FAO, 2010. Aquaculture planning: policy formulation and implementation for sustainable development. Fisheries and aquaculture technical report, 542.

[6] IIRR, 1998. Participatory methods in community-based coastal resource management

[7] Lohani, B., J.W. Evans, H. Ludwig, R.R. Everitt, Richard A. carpenter, and S.L. Tu, 1997. Environmental Impact Assessment for Developing Countries in Asia. Vol.1-Overview. 364 pp.

[8] PingSun Leung, Cheng-Sheng Lee and Patricia J. O'Bryen, 2007. *Species and system selection for sustainable aquaculture*. Blackwell Publishing, 489p.

Date: 24 July 2015

Lecturer

Assoc. Dr. Truong Hoang Minh