

COURSE OUTLINE DETAILS

1. Course: Graduation thesis (Luận văn tốt nghiệp)

- **Code number:** AQ503

- **Credits:** 15

- **Hours:** 450 practice hours

2. Management Unit:

- **Department:** Freshwater Aquaculture

- **Faculty:** College of Aquaculture and Fisheries

3. Requisites:

- **Prerequisites:** Get more than 125 credits

- **Corequisites:** No

4. Course objectives:

Objectives	Descriptions	Program Outcomes
4.1	To educate the synthesis of fundamental and specialized knowledge related to thesis topics in aquaculture.	2.1.2a, b 2.1.3a, b
4.2	To train skills in literature review, writing a research proposal, implementing and writing a research thesis	2.2.1 b
4.3	To train skills in communication, independent and group working, and scientific presentations.	2.2.2.
4.4	To train a sense of responsibility, ethics, self-control and a spirit of progress in research.	2.3

5. Course learning outcomes: Upon the end of the course, students know how to:

COs	Descriptions	Objectives	POs
	Knowledge		
CO1	Synthesize fundamental and specialized knowledge related to research topics in the field of aquaculture.	4.1	2.1.2a, b 2.1.3a, b
CO2	Interpret the structure of a research proposal and scientific report on aquaculture fields	4.1	2.1.2b
	Skills		
CO3	Write a detailed proposal and organize a study	4.2	2.1.2b 2.2.1a, b

CO4	Analyze and evaluate research results and write a scientific report	4.2	2.1.2b
CO5	Develop skills for teamwork, independent working and presentation skills	4.3	2.2.2
	Attitudes/Autonomy/Responsibilities		
CO6	Strengthen the habit of self-study, progression, creativity and honesty/ethics in research.	4.4	2.3

Note: "COs" means Course Outcomes; "POs" means Program Outcomes

6. Brief description of the course:

A graduate thesis (GT) is a report on the results of scientific research, conducted with a specific topic in different areas of Aquaculture, which can be (i) the result of a completed experiment; (ii) results of a survey in which data are directly collected and analyzed by students; (iii) combine a survey and use the results to build a trial model; or (iv) the results of a basic study (reproduction, nutrition, physiology, etc.). GT is conducted within a specified period of time and is defended before a scientific committee (three members) at the department level. GT is also a concrete proof of students' ability when interviewing for job recruitment.

7. Course structure:

	Content	Hrs	COs
Part 1.	Conduct and defense the proposal	60	CO1, CO2, CO3, CO5, CO6
1.1	Students propose or receive a specific graduate thesis topic related to aquaculture. To be guided by at least one lecturer (instructor)		
1.2	Students write a research proposal according to the selected topic according to the advice of the instructor and make an implementation plan.		
1.3	Defending the thesis proposal with the departmental committee. The proposal will help students list the specific activities before implementing them.		
Part 2	Implement research	300	CO4, CO5, CO6
2.1	Students carry out the work in the study area. Students can propose to their instructor about conditions and facilities for working		
2.2	Progress report periodically according to the regulations of the instructor and the general plan of the department		
Part 3	Analyze data and write thesis	90	

3.1	Students analyze data and write reports in accordance with the regulations on the presentation of thesis promulgated by the college.		CO1, CO2, CO3, CO5, CO6
3.2	The instructor reads and gives comments to student's thesis, and approves the final thesis version.		
3.3	The student submits the thesis to the committee established by the college's decision		
Part 4	Defense thesis		CO1, CO4, CO5, CO6
4.1	Students defend their thesis according to the prescribed time of the course		
4.2	Students revise and complete the thesis according to the comments of the committee within one week		
4.3	Students submit the final printed copy and a file according to the college's general schedule		

8. Teaching methods:

- The instructor is responsible for guiding students to write a detailed research proposal, collect and process data; and the instructor evaluates the quality of students' theses before allowing them to submit their thesis to the examining committee.
- After completing the research proposal, students actively carry out the work according to the plan.

9. Duties of student:

Students must do the following duties:

- Registration to conduct proposal and defense the proposal on time
- Periodically report implementation progress and research results to the instructor
- Must complete the proposal on schedule and within the time allowed
- Work in the correct location and area assigned by the instructor, and comply with the rules and regulations of the laboratory, research station or production units.
- Complete the thesis and defend the thesis on time

10. Assessment of course learning outcomes:

10.1. Assessment

No.	Point components	Regulations	Weights	COs
1	Score of thesis defense	Average score of 3 members of committee (based on the thesis evaluation form)	100%	CO1-CO6

10.2. Grading

- Grading components and final test scores will be marked on a scale of 10 (0 to 10), rounded to one decimal place.

- Course score is the sum of all the components of the evaluation multiplied by the corresponding weight. The course score is marked on a scale of 10 and rounded to one decimal place, then it is converted to A-B-C-D score on a scale of 4 under the academic regulations of the University.


11. Learning materials:

Learning materials information	Barcode number
[1] Teaching material/hand-out related to student thesis	To be supplied/introduced by advisors/or promotor
[2] Journal related to student thesis	
[3] Textbook of Experimental Methods and Report Writing	
[4] Regulations on presentation of scientific reports (for students conducting graduation thesis applied from 2nd semester of 2013-2014)	

12. Self-study Guide:

Week	Content	Theory (hours)	Practice (hours)	Student's Tasks
1	Writing research proposal		115	Must read the learning materials related to the research topic
2	Proposal defence		5	Presentation by via powerpoint
3	Implementing experiment		600	Carrying out experiment
4	Writing thesis		180	Data analysis and writing thesis

ON BEHALF OF RECTOR
DEAN OF COLLEGE

 *[Signature]*
Vũ Ngọc Út

Can Tho, 30.../...8.../2022
HEAD OF DEPARTMENT

[Signature]
Lê Quốc Việt