

NLU

Module	Module Nr	Lecture Name	Class-contact workload in VN-credits	Class-contact workload in hours	ECTS credits	Examination type
<b>1. Semester</b>						
<b>Humanitarian module</b>						
1		Principles of Marxis-Leninism	5	75	5	
<b>Basic knowledge and soft skill</b>						
1		Advanced mathematics level B1	2	30	2	
1		Academic English 1	4	60	3	
<b>Production-integrated environmental protection</b>						
1		General biology and applied to environmental protection	2	30	3	
1		General biology and applied to environmental protection (practice)	1	30	2	
1		General chemistry and applied to environmental protection	2	30	3	
1		General chemistry and applied to environmental protection (practice)	1	30	2	
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<b>2. Semester</b>						
<b>Humanitarian module</b>						
2		Physical education 1 (Athletics)	1	30	1	
2		National defence education 1 (theory)	3	45	3	
2		National defence education 2 (practice)	3	90	3	
<b>Basic knowledge and soft skill</b>						
2		Academic English 2	3	45	3	
2		Advanced mathematics level B2	2	30	2	
<b>Production-integrated environmental protection</b>						
2		General biochemistry and applied to environmental protection	2	30	3	
2		General biochemistry and applied to environmental protection- Lab	1	30	2	
2		General genetics and applied to environmental protection	2	30	3	
2		General genetics and applied to environmental protection - Lab	1	30	2	
<b>Soft skills and add-on competences</b>						
2		Introduction to informatics	2	30	3	
2		Introduction to informatics (lab)	1	30	2	
<b>Environmental management (Introduction)</b>						
2		Introduction to fisheries science for resources management	2	30	3	
2		Aquatic botany to ecosystems	1	15	1	
2		Aquatic botany to ecosystems (lab)	1	30	1	
<b>Environmental management (Elective courses)</b>						
2		Analytical chemistry and applied to environmental management	2	30	3	
2		Analytical chemistry and applied to environmental management (practice)	1	30	2	
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<b>3. Semester</b>						
<b>Aquaculture 1</b>						
3		Applied biochemistry for fisheries products.	2	30	2	
3		Zooplankton and benthos	2	30	3	
3		Zooplankton and benthos (Lab)	1	30	2	
3		Mathematic probability and statistics	3	45	3	
<b>Production-integrated environmental protection</b>						
3		Water quality management in aquaculture	2	30	3	
3		Water quality management - Lab	1	30	2	
3		Ichthyology	2	30	3	
3		Ichthyology -Lab	1	30	2	
<b>Environmental management (elective courses 2)</b>						
3		Introduction to environmental science	2	30	3	
3		Social aspects to sustainable management	2	30	2	
3		Biodiversity	2	30	2	
<b>Soft skills and add-on competences</b>						
		Mathematic probability and statistics	3	45	3	
3		Research Methods of fish biology	1	15	1	taken from Sem. 4
3		Research Methods of fish biology	1	30	2	taken from Sem. 4

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<b>4. Semester</b>						
<b>Humanitarian module</b>						
4		Introduction to Vietnamese law system	3	45	3	
4		Physical education (Swimming)	2	30	2	
4		Vietnam Communist Party's revolutionary policies	2	30	2	Taken from Sem.6
<b>Aquaculture 2</b>						
4		General microbiology	2	30	3	
4		General microbiology- Lab	1	30	2	
4		Physiology of aquatic animals	2	30	3	
4		Physiology of aquatic animals-Lab	1	30	2	
<b>Environmental management (Introduction)</b>						
4		Introduction to sustainably environmental management	2	30	2	
4		Introduction to aquatic ecology management	2	30	2	
4		Introduction to fishing technology for resource conservation	2	30	2	Taken from Sem.6

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<b>5. Semester</b>						
<b>Aquaculture 3</b>						
5		Nutrition and feed technology in aquaculture	2	30	3	

5		Nutrition and feed technology in aquaculture (lab)	1	30	2	
5		Aquaculture engineering	2	30	2	Taken from sem.8
<b>Aquaculture 4</b>						
5		Freshwater fish culture techniques	2	30	2	
5		Marine fish culture techniques	2	30	2	
<b>Aquaculture 5</b>						
5		Introduction to aquatic animal pathology	2	30	2	
5		Aquaculture economics	2	30	2	
<b>Aquaculture 6</b>						
5		Fish seed production techniques	2	30	3	
5		Fish seed production techniques (Practice)	1	30	2	
<b>Aquaculture 7 (elective courses)</b>						
5		Research Methods of fish biology	1	15	2	
5		Research Methods of fish biology (Lab)	1	30	2	

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<b>6. Semester</b>						
<b>Soft skills and add-on competences</b>						
6		English for aquaculture	2	30	3	
6		Statistics and experimental design	1	15	2	
6		Statistics and experimental design (Lab)	1	30	2	
4		Communication skills	2	30	2	taken from sem. 4
<b>Aquaculture 8</b>						
6		Crustacean seed production and culture techniques	2	30	3	
6		Crustacean seed production and culture techniques (Practice)	1	30	2	
<b>Production-integrated environmental protection</b>						
6		Aquatic resources management and conservation	2	30	3	
6		Fisheries extension education	2	30	3	
6		Fisheries production management	2	30	2	
6		Molluscs culture techniques	2	30	2	
<b>Summer semester</b>						
<b>Aquaculture 9 (practical session)</b>						
6		Field practice for freshwater aquaculture	2	60	3	
6		Field practice for coastal aquaculture	2	60	3	

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<b>7. Semester</b>						
<b>Soft skills and add-on competences</b>						
7		Introduction to Vietnamese law system	2	30	2	
7		Introductory fisheries law	2	30	2	
<b>Aquaculture 10</b>						
7		Shrimp diseases	2	30	2	
7		Shrimp diseases (lab)	1	30	2	
7		General fish diseases	2	30	2	
7		General fish diseases (Lab)	1	30	2	
<b>Environmental management (elective course)</b>						
7		Environmental impact assessment in fisheries	2	30	2	
7		Planning and management of fisheries development	2	30	2	
<b>Aquaculture 11 (elective course)</b>						
7		Health management of aquatic animals	2	30	2	
7		Ornamental fish diseases	1	15	2	
7		Ornamental fish diseases (Lab)	1	30	2	

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<b>8. Semester</b>						
<b>Option 1: Thesis (10 credits) - Students can select to conduct a thesis or to take additional courses for 10 credits</b>						
<b>Option 2: Aquaculture 12 (additional courses for 10 credits)</b>						
8		Ornamental fish and special aquatic animal culture techniques	2	30	2	
8		Drugs and chemicals in aquaculture	2	30	2	
8		Applied genetics in aquaculture	2	30	2	
8		Applied microbiology in fisheries	2	30	2	
8		Aquatic products marketing	2	30	2	