



NONG LAM UNIVERSITY - HO CHI MINH CITY
FACULTY OF AGRONOMY

PROGRAMME SPECIFICATION

BACHELOR OF SCIENCE IN AGRONOMY
Programme code: 7620109



October 2018

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PART I. GENERAL INFORMATION OF THE PROGRAMME

- 1.1 Programme title:** Agronomy
- 1.2 Awarding and teaching institution:** Nong Lam University - Ho Chi Minh City
- 1.3 Degree:** Bachelor of Science in Agronomy
- 1.4 Study mode:** Full-time, on campus
- 1.5 Training time:** 4 years
- 1.6 Admission criteria**

High school graduate candidates must pass the annual National High School Graduation Examination which be held in July by MOET. They must have total score of Mathematics, Chemistry and Biology (group B00); or Mathematics, Physics and Chemistry (group A00); or Mathematics, Biology and English (group D08) higher than the cut-off score set by the NLU base on the student admission quota from MOET. The cut-off score will be published in August every year.

PART II. PROGRAMME OBJECTIVES AND EXPECTED LEARNING OUTCOMES

2.1 Programme objectives (POs)

The Bachelor of Science in Agronomy (BSA) programme provides students with:

- PO 1:** General, fundamental and specialized knowledge in the field of agronomy.
- PO 2:** Professional skills, critical thinking and problem solving skills to apply agronomy knowledge systems for work, research, and technology transfer.
- PO 3:** Communication skills, independent working skills, and teamwork skills for work and study in the field of agronomy.
- PO 4:** Ability to conceive, design, and implement economic and technical measures in crop production systems.
- PO 5:** Proper attitude to interpret social demands, fulfilling social responsibilities, maintaining professional ethics, and engaging life-long learning.

2.2 Expected learning outcomes (PLOs)

After successful completion of the BSA programme, graduates will be able to:

A. KNOWLEDGES

General knowledges

- PLO 1:** Utilize general knowledge of natural and social sciences in the field of agronomy.
- PLO 2:** Apply fundamental and specialized knowledge to reasoning problems in the field of agronomy.

Professional knowledges

- PLO 3:** Apply and implement the national agricultural laws and regulations into practices in seed production, agro-chemistry, and crop production.
- PLO 4:** Apply the knowledges of agricultural systems to enable sustainable and safe crop production adapted to climate change.
- PLO 5:** Develop and execute the procedures of sustainable and safe agricultural production following supply chain management.

B. SKILLS

Generic skills

- PLO 6:** Use English and Informatics for working and studying in the field of agronomy.

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PLO 7: Lead and work effectively in individual and group-oriented settings.

PLO 8: Communicate effectively in different ways such as writing, emailing, discussion and presentation.

Professional skills

PLO 9: Develop and perform professionally agricultural techniques in practices in real world situations.

PLO 10: Demonstrate the ability to conduct research activities, develop, disseminate, and transfer the advanced scientific technologies to enterprises and manufacturers.

PLO 11: Analyze and propose efficient solutions to solve problems in the field of crop production, food safety according to the regulations, conservation of biodiversity, environmental protection, to contribute to sustainable development of Vietnam's agriculture.

PLO 12: Conceive, design and manage activities related to demand and supply agricultural materials (seed, fertilizer, plant protection products, agricultural services).

C. ATTITUDES

Awareness

PLO 13: Practice life-long learning.

Attitudes

PLO 14: Perceive and respect professional and ethical values.

PLO 15: Adapt to different working conditions, practice professional ethics and fulfil social responsibilities.

2.3 The alignment between POs and PLOs of the BSA programme

BSA programme objectives (POs)	Expected learning outcomes (PLOs)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	1													
2			4	4	4										
3						2	2	2							
4									5	5	5	5			
5													3	6	6



General knowledges



Professional knowledges



General skills



Professional skills



Awareness



Attitudes

PART III. PROGRAMME STRUCTURE AND CURRICULUM

3.1 Programme structure

Group	Credits		
	Compulsory	Elective	Total
General knowledge	34	6	40
Fundamental knowledge	22	2	24
Specialized knowledge	46	26	72
Total	102	34	136

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3.2 Curriculum

The curriculum of BSA programme was issued under the Decision 3641/QĐ-ĐHNL-ĐT, dated 15th October 2018 by NLU's President.

Degree: Bachelor of Science in Agronomy

Programme code: 7620109

Faculty: Faculty of Agronomy

Discipline: Agronomy

The minimum number of credits accumulated: 136

Programme: Agronomy

Minimum GPA: 2.0

No	Course ID	Course name	Credits	Total hours	Theory	Practice	Field study	Dissertation	Thesis	Year	Semester	Previous course	Prerequisite course	Parallel course
I. General courses														
<i>I.1. Compulsory courses</i>														
1	202501	Physical Education 1*	1	45	0	0	45			1	1			
2	202622	Fundamentals of Law	2	30	30	0	0			1	1			
3	213603	English 1*	4	60	60	0	0			1	1			
4	214103	General Informatics	3	60	30	30	0			1	1			
5	200101	Basic principles of Marxism Leninism	3	45	45	0	0			1	2			
6	200201	Military Training 1 (Theory)*	3	45	45	0	0			1	2			
7	200202	Military Training 2 (Practice)*	3	90	0	90	0			1	2			
8	202502	Physical Education 2*	1	45	0	0	45			1	2	202501		
9	213604	English 2*	3	45	45	0	0			1	2			
10	200102	Political economics	2	30	30	0	0			2	1	200101		
11	202121	Statistics and Probability	3	45	45	0	0			2	1			
12	200103	Science Socialism	2	30	30	0	0			2	2	200102		
13	200105	Revolutionary Policy of Vietnam Communist Party	2	30	30	0	0			3	1	200103		
14	200107	Thoughts of Ho Chi Minh	2	30	30	0	0			4	1	200105		
<i>I.2 Group of elective courses 0101 - Must accumulate at least 2 credits</i>														
1	202620	Communication Skills	2	30	30	0	0			1	2	202622		
2	204934	Start-ups in Crop production	2	30	30	0	0			1	2	202622		
3	208104	Basic Agro-economics	2	30	30	0	0			1	2	202622		
<i>I.3 Group of elective courses 0102 - Must accumulate at least 2 credits</i>														
1	204921	Agro-Marketing	2	30	30	0	0			1	2	202622		
2	208414	Farm Management	2	30	30	0	0			1	2			
3	208531	Project Building and Management	2	30	30	0	0			1	2	202622		
<i>I.4 Group of elective courses 0103 - Must accumulate at least 2 credits</i>														
1	204114	Agro-Microorganisms	3	60	30	30	0			2	1	204534		
2	204116	Plant systematic	2	30	30	0	0			2	1	204534		
3	204729	Plant Biodiversity	2	30	30	0	0			2	1	204534		
II. Fundamental courses														
<i>II.1 Compulsory courses</i>														

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1	204620	Scientific Approach	2	30	30	0	0			1	1			
2	204113	Plant Biochemistry	3	60	30	30	0			1	2	204534		
3	204103	Plant Physiology	3	60	30	30	0			2	1	204534		
4	204303	Fundamentals of Soil Science	3	60	30	30	0			2	1	204534		
5	204615	Agro-meteorology	2	30	30	0	0			2	1	204534		
6	204216	Plant Genetics	3	60	30	30	0			2	2	204103		
7	204301	Soil Fertility and Fertilizers	3	60	30	30	0			2	2	204103		
8	204616	Experiment Methodology	3	60	30	30	0			3	2	204620		
II.2 Group of elective courses 0201 - Must accumulate at least 2 credits														
1	204115	Molecular Biology in Agriculture	3	60	30	30	0			2	2	204103		
2	204212	Biotechnology in Agriculture	2	30	30	0	0			2	2	204103		
3	204753	Weed and Weed Management	3	60	30	30	0			2	2			
III. Specialized courses														
III.1 Compulsory courses														
1	204534	Fundamentals of Agronomy	2	30	30	0	0			1	1			
2	204901	Internship 1	1	45	0	0	45			1	2	204534		
3	204539	On-farm Practice	1	45	0	0	45			2	1			
4	204425	Internship 2	2	90	0	0	90			2	2	204539		
5	204754	Plant Protection Products	2	60	30	30	0			2	2	204534		
6	204217	Plant Breeding	3	60	30	30	0			3	1	204216		
7	204625	Water Management in crop production	3	60	30	30	0			3	1	208104		
8	204734	Plant Pathology	3	60	30	30	0			3	1	204754		
9	204735	Entomology	3	60	30	30	0			3	1	204754		
10	204411	Vegetable	3	60	30	30	0			3	2	204217		
11	204427	Food Crops	3	60	30	30	0			3	2	204217		
12	204428	Fruit Crops	3	60	30	30	0			3	2	204217		
13	204544	Field trip 1	1	30	0	0	30			3	2	204735		
14	204416	Flowers and Ornamental Plants	3	60	30	30	0			4	1	204544		
15	204423	Agriculture Extension	2	30	30	0	0			4	1	204544		
16	204532	Perennial Industry Crops	3	60	30	30	0			4	1	204544		
17	204542	Annual Industry Crops	3	60	30	30	0			4	1	204544		
18	204545	Field trip 2	1	30	0	0	30			4	1	204544		
19	204931	Professional English in Agriculture	3	45	45	0	0			4	1	204544		
III.2 Group of elective courses 0301 - Must accumulate at least 2 credits														
1	204920	Public Relations - PR	2	30	30	0	0			2	2			
2	210303	Postharvest Preservation	2	30	30	0	0			2	2			
III.3 Group of elective courses 0302 - Must accumulate at least 2 credits														
1	204313	Soil and Water Conservation	2	30	30	0	0			3	1	204754		
2	204738	Agro-Environment Protection	2	30	30	0	0			3	1			
3	204760	Integrated Pest Management	2		30	0	0			3	1			
III.4 Group of elective courses 0303 - Must accumulate at least 2 credits														
1	204432	Greenhouse operation and management techniques	2	45	15	30	0			3	1			
2	204622	Fertigation System in Greenhouse	2	45	15	30	0			3	1	204425		

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3	204623	Applied IoT in high tech Agriculture	2	45	15	30	0			3	1			
<i>III.5 Group of elective courses 0304 - Must accumulate at least 2 credits</i>														
1	204211	Plant Propagation Technology	2	45	15	30	0			3	2	204217		
2	204220	Advanced Plant Breeding	2	45	15	30	0			3	2			
3	204435	Principles of soilless culture	2	30	30	0	0			3	2			
<i>III.6 Group of elective courses 0305 - Must accumulate at least 3 credits</i>														
1	204426	Mushroom Production	3	60	30	30	0			3	2	204217		
2	204541	Medicinal Plants	3	60	30	30	0			3	2			
3	204624	Applied GIS in Agriculture production	3	60	30	30	0			3	2			
<i>III.7 Group of elective courses 0306 - Must accumulate at least 2 credits</i>														
1	204311	GAP and Organic Agriculture	2	30	30	0	0			4	1	204544		
2	204502	Farming Systems	2	30	30	0	0			4	1	204544		
3	204549	Agro-Forestry Systems	2	30	30	0	0			4	1			
<i>III.8 Group of elective courses 0307 - Must accumulate at least 3 credits</i>														
1	204626	Professional seminar on Soft skills	1	15	15	0	0			1	2			
2	204763	Professional seminar on Plant Protection	1	15	15	0	0			2	1			
3	204543	Professional seminar on Crop Production	1	15	15	0	0			3	1			
4	204429	Professional seminar on High-tech Agriculture	1	15	15	0	0			3	2			
<i>III.9 Group of elective courses 0308 - Must accumulate at least 10 credits</i>														
1	204117	Topic on Applied Plant Physiology in Agriculture	2	60	15	0	0	45	0	4	2	204545		
2	204219	Topic on Plant Breeding in Sustainable Crop Production adapted to Climate Change	2	30	30	0	0	0	0	4	2	204545		
3	204316	Topic on Plant Nutrient in Sustainable Crop Production	2	30	30	0	0	0	0	4	2	204545		
4	204550	Topic on Sustainable Crop Production adapted to Climate Change	3	105	15	0	0	90	0	4	2			
5	204751	Topic on Plant Protection in sustainable and safety Agriculture	2	60	15	0	0	45	0	4	2	204545		
6	204924	Essay	5	150	0	0	0	0	150	4	2	204545		
7	204925	Thesis	10	150	0	0	0	0	150	4	2	204545		

Total of compulsory credits 102

Total of elective credits 34

10 credits of graduation (III.9) are structured into three options:

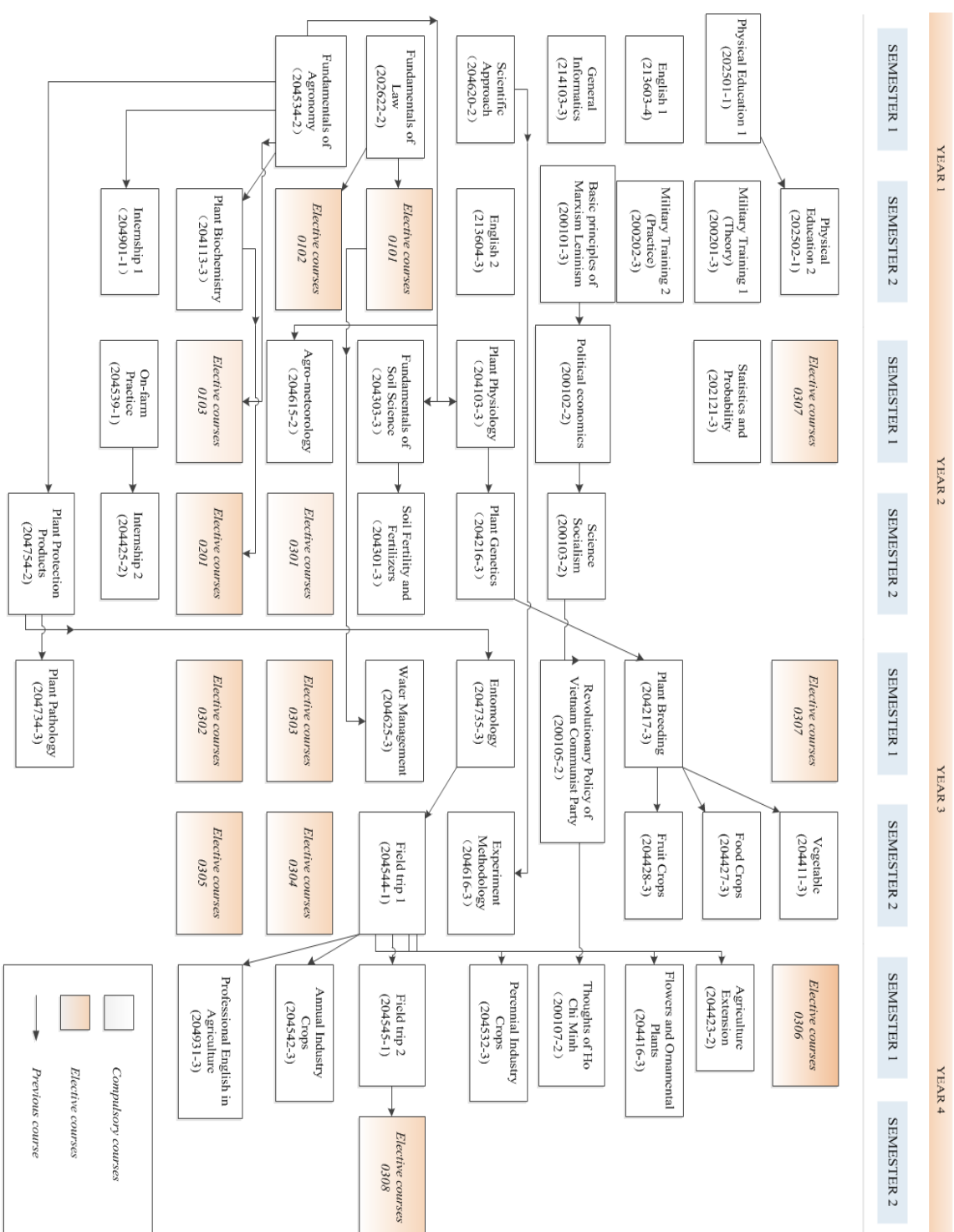
- (1) Thesis (10 credits)
- (2) Graduation essay (5 credits) and courses in III.9 (5 credits)
- (3) Courses in III.9 (10 credits)

(*) conditional courses, pass required but not included in GPA

Students must obtain the expected learning outcomes for English and Informatics as specified by NLU

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CURRICULUM MAP – BACHELOR OF SCIENCE IN AGRONOMY



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3.3 CLOs and PLOs matrix

No	Course ID	Course Name	Credits	PLOs														
				Knowledge					Skill								Attitude	
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I. General courses																		
I.1. Compulsory courses																		
1	202501	Physical Education 1*	1							x						X		
2	202622	Fundamentals of Law	2	x												x	X	X
3	213603	English 1*	4	x					X	x	X					X	x	x
4	214103	General Informatics	3						X	x	X					X	x	x
5	200101	Basic principles of Marxism Leninism	3	x												x	X	X
6	200201	Military Training 1 (Theory)*	3							x	x					x	X	X
7	200202	Military Training 2 (Practice)*	3							x	x					x	X	X
8	202502	Physical Education 2*	1							x						X		
9	213604	English 2*	3	x					X	x	X					X	x	x
10	200102	Political economics	2	x												x	X	X
11	202121	Statistics and Probability	3	X									x			X	x	x
12	200103	Science Socialism	2	x												x	X	X
13	200105	Revolutionary Policy of Vietnam Communist Party	2	x												x	X	X
14	200107	Thoughts of Ho Chi Minh	2	x												x	X	X
I.2 Group of elective courses 0101 - Must accumulate at least 2 credits																		
1	202620	Communication Skills	2	x						X	X		X			x	x	x
2	204934	Start-ups in Crop production	2	x						X	X		X		X	x	x	x
3	208104	Basic Agro-economics	2	x	x			X					X		X	X	x	x
I.3 Group of elective courses 0102 - Must accumulate at least 2 credits																		
1	204921	Agro-Marketing	2	x	x			X		x			X		X	X	x	x
2	208414	Farm Management	2	x	x			X		x			X		X	X	x	x
3	208531	Project Building and Management	2	x	x			X		x			X		X	X	x	x
I.4 Group of elective courses 0103 - Must accumulate at least 2 credits																		
1	204114	Agro-Microorganisms	3	X	X	x	x	x	x	x		X		x		x	x	x
2	204116	Plant systematic	2	X	X	x	x	x	x	x		X		X		x	x	x
3	204729	Plant Biodiversity	2	X	x	x	x	X	x	x		x		X		X	x	x
II. Fundamental courses																		
II.1 Compulsory courses																		
1	204620	Scientific Approach	2		X								X	x	x	X	x	x
2	204113	Plant Biochemistry	3		X	X	x	x	x	x	x	X	x	x	x	x	x	x
3	204103	Plant Physiology	3		X	x	X	x	x	x	x	X	X	X	x	X	x	x
4	204303	Fundamentals of Soil Science	3		X	x	X	x	x	x	x	X	x	X	x	X	x	x
5	204615	Agro-meteorology	2		X		X		x	x	x		x	x	x	x	x	x
6	204216	Plant Genetics	3		X	X	x		x	x	x	X	x	x	X	x	x	x
7	204301	Soil Fertility and Fertilizers	3		X	x	X	x	x	x	x	X	x	X	x	X	x	x
8	204616	Experiment Methodology	3		X							X	X	X	X	X	x	x
II.2 Group of elective courses 0201 - Must accumulate at least 2 credits																		
1	204115	Molecular Biology in Agriculture	3		X	x	x	x		x		x	x	x	x	x	x	x
2	204212	Biotechnology in Agriculture	2		X	x	x	X		x	x	x	x	x	x	x	X	x
3	204753	Weed and Weed Management	3		X	x	x	x		x		x	x	x	X	x	x	x
III. Specialized courses																		
III.1 Compulsory courses																		

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No	Course ID	Course Name	Credits	PLOs														
				Knowledge					Skill							Attitude		
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	204534	Fundamentals of Agronomy	2		X		x	x					x	x	x	x	x	X
2	204901	Internship 1	1		x					X	X	x	x	x	X	x	x	X
3	204539	On-farm Practice	1		x					X	X	X	x	x	x	x	x	X
4	204425	Internship 2	2		x					X	X	x	X	x	X	x	x	X
5	204754	Plant Protection Products	2		X	X	X	x	x	x	x	x	x	x	x	X	x	x
6	204217	Plant Breeding	3		X	X	x	X	x	x	x	x	x	x	X	X	x	x
7	204625	Water Management in crop production	3		X		x	x	x	x	x	x	X	x	x	X	x	x
8	204734	Plant Pathology	3		X	x	x	X	x	x	x	X	x	x	x	X	x	x
9	204735	Entomology	3		X	x	x	X	x	x	x	X	x	x	x	X	x	x
10	204411	Vegetable	3		X	X	x	X	x	x	x	x	x	X	x	x	x	x
11	204427	Food Crops	3		X	X	X	X	x	x	x	x	x	X	x	x	x	x
12	204428	Fruit Crops	3		X	X	X	X	x	x	x	x	x	X	x	x	x	x
13	204544	Field trip 1	1		x					X	X	x	X	x	X	x	x	X
14	204416	Flowers and Ornamental Plants	3		X			x	x	x	x	X	x	x	x	x	x	x
15	204423	Agriculture Extension	2		X	X				X	X		X		x	x	x	X
16	204532	Perennial Industry Crops	3		X		x	x		x	x	x	X	X	x	x	x	x
17	204542	Annual Industry Crops	3		X		x	x		x	x	x	X	X	x	x	x	x
18	204545	Field trip 2	1		x					X	X	x	X	x	X	x	x	X
19	204931	Professional English in Agriculture	3		x				X	x	X					X	x	x
III.2 Group of elective courses 0301 - Must accumulate at least 2 credits																		
1	204920	Public Relations - PR	2		x			x	x	X	X		x		x	x	x	x
2	210303	Postharvest Preservation	2		X			X					x	x	x	x	x	x
III.3 Group of elective courses 0302 - Must accumulate at least 2 credits																		
1	204313	Soil and Water Conservation	2		X	x	X	x	x	x		x	x	X	x	x	x	x
2	204738	Agro-Environment Protection	2		X	x	x	X		x			x	x	x	x	x	x
3	204760	Integrated Pest Management	2		X	x	x	X		x		x	X	x	x	X	x	x
III.4 Group of elective courses 0303 - Must accumulate at least 2 credits																		
1	204432	Greenhouse operation and management techniques	2		X		X	x		x		X	x	x	x	x	x	x
2	204622	Fertigation System in Greenhouse	2		X		X	x		x		X	x	x	x	x	x	x
3	204623	Applied IoT in high tech Agriculture	2		X		X	x	x	x	x	X	x	x	x	x	x	x
III.5 Group of elective courses 0304 - Must accumulate at least 2 credits																		
1	204211	Plant Propagation Technology	2	x	X	X		x	x	x		x	x	x	X	x	x	x
2	204220	Advanced Plant Breeding	2		X	X		x	x	x		x	X	x	X	x	x	x
3	204435	Principles of soilless culture	2	x	x		X	X	x	x		x		x		x	x	x
III.6 Group of elective courses 0305 - Must accumulate at least 3 credits																		
1	204426	Mushroom Production	3		x		x	X		x	x	x	X	x	x	x	x	x
2	204541	Medicinal Plants	3		x		x	X		x	x	x	X	x	x	x	x	x
3	204624	Applied GIS in Agriculture production	3		x		X			x		X	x	x	x	x	x	x
III.7 Group of elective courses 0306 - Must accumulate at least 2 credits																		
1	204311	GAP and Organic Agriculture	2		x	X	X	X		x	x		x	X	x	x	x	X
2	204502	Farming Systems	2	x	X		x	x		x	x		x	x	x	x	x	x
3	204549	Agro-Forestry Systems	2	x	X		x	x		x	x		x	x	x	x	x	x

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III.8 Group of elective courses 0307 - Must accumulate at least 3 credits																		
No	Course ID	Course Name	Credits	PLOs														
				Knowledge					Skill							Attitude		
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	204926	Professional seminar on soft skills	1						x	X	X		x	x	x	x	x	x
2	204763	Professional seminar on Plant Protection	1		X				x	X	X		x	x	x	x	x	x
3	204543	Professional seminar on Crop Production	1		X			x	x	X	X		x	x	x	x	x	x
4	204429	Professional seminar on High-tech Agriculture	1		X				x	X	X		x	x	x	x	x	x
III.9 Group of elective courses 0308 - Must accumulate at least 10 credits																		
1	204117	Topic on Applied Plant Physiology in Agriculture	2		X	x	x	x	x	X	x	X	x	X	x	x	x	x
2	204219	Topic on Plant Breeding in Sustainable Crop Production adapted to Climate Change	2		X	X	X	x	x	X	x	X	x	X	x	x	x	X
3	204316	Topic on Plant Nutrient in Sustainable Crop Production	2		X	X	X	x	x	X	x	X	x	X	x	x	x	X
4	204550	Topic on Sustainable Crop Production adapted to Climate Change	3		X	x	X	x	x	X	x	X	x	X	x	x	x	X
5	204751	Topic on Plant Protection in sustainable and safety Agriculture	2		X	X	X	x	x	X	x	X	x	X	x	x	x	X
6	204924	Essay	5	x	X	X	X	X	x	X	x	X	X	X	X	x	X	X
7	204925	Thesis	10	x	X	X	X	X	x	X	X	X	X	X	X	x	X	X

X Highly supportive **x** Supportive

PART IV. BRIEF OUTLINE OF ALL COURSES IN THE PROGRAMME

Below the various brief description of courses in curriculum frame are introduced. Each course is presented the title, number of credits, teaching hour, theoretical hour and practical hour. A brief summary of the course content is also presented.

Example: The notation of the course **Plant Breeding [3 : 45-30-30]** are explained as below:

Course title Course ID No. credit Credit hour - theoretical hour - Practical hour

↑ ↑ ↑ ↑

Plant Breeding (204217) [3 : 45-30-30]

Credit is used to calculate student workload. One credit is equal to 15 theoretical class hours, 30-45 hours of practice, experiment or discussion, 45-90 practical hours at the fields, 45-60 hours of preparing/writing term paper, project, graduation thesis. For theoretical, practical, or experimental modules, in order to obtain 1 credit student must spend at least 30 hours for individual preparation.

Credit hour is quantity which used to measure the workload of student. Credit hour is divided into three types base on teaching and learning activities, quantity of time. This is determined as following:

PROGRAMME SPECIFICATION

Credit hour in class	1 hour in class	2 hours for individual preparation
Credit hour for practice	2 hours for practice	1 hours for individual preparation
Credit hour for individual preparation		3 hours for individual preparation

One class hour in credit system is equal to 50 minutes.

4.1 GENERAL COURSES

Physical Education 1 (202501) [1 : 45-0-45]: Providing for student knowledge of Athletics; Principles and methods of practicing Athletics in particular, sport practicing in general.

Physical Education 2 (202502) [1 : 45-0-45]: Choose one of the sports: football, volleyball, and basketball.

English 1 (213603) [4 : 60-60-0]: Review basic grammar sections. New knowledge of exam questions, exam contents, skills for English test at the basic level.

English 2 (213604) [3 : 45-45-0]: Improve and complete basic grammar sections. New knowledge of exam questions, exam contents, skills for English test at the intermediate level.

Military Training 1 (Theory) (200201) [3 : 45-45-0]: Military lines of the Communist Party of Vietnam. Defense and security work.

Military Training 2 (Practice) (200201) [3 : 90-0-90]: Knowledge and military science and technology. Practical skills, techniques, military tactics for the platoon, short-gun using techniques, grenade using techniques and some commonly used weapons of infantry, ready to participate in the strategic task of building and defending the Socialist Republic of Vietnam.

General informatics [3 : 60-30-30]: Providing for student basic knowledge of computer science and such software as winword, excel and internet; helping students understand how to use computer correctly and can apply software in their learning process effectively.

Fundamentals of Law (202622) [2 : 45-45-0]: The State and law, simultaneously a connection with the State and law of the Socialist Republic of Vietnam.

Basic principles of Marxism and Leninism (200101) [3 : 45-45-0]: The worldview and philosophical methodology of Marxism-Leninism; the economic doctrine of Marxism-Leninism on the method of capitalist production; Marxism-Leninism on the theory of scientific socialism.

Political Economics (200102) [2 : 30-30-0]: Providing the outline of concepts, categories, economic rules, methodology of economic thinking of Marxist-Leninist political economy as well as providing for students with a systematic, selective basic knowledge of the Marxist - Leninist political economy.

Statistics and Probability (202121) [3 : 45-45-0]: providing knowledge of statistical theories, particularly in concepts of random unheaval, definition of statistics, statistical formulas; providing for student concepts of sampling, population, measurable parameter equations, verifying statistical hypothesis and analysing regression correlating.

Science Socialism (200103) [2 : 30-30-0]: Basic knowledge of sociology, including the history of sociology formation and development; objects and functions of sociology; sociological concepts and categories; some theoretical views on sociology; sociological research methods. Identify, evaluate and resolve positively and scientifically social issues raised in life; contribute to forming correct and stable political attitude; sense of discipline; sense of responsibility, healthy soul, pure.

Revolutionary Policy of Vietnam Communist Party (200105) [2 : 30-30-0]: The founding of the Communist Party of Vietnam; The Party's first political platform; the Party's revolutionary lines from the people's democratic revolution to the socialist revolutionary socialism.

PROGRAMME SPECIFICATION

Thoughts of Ho Chi Minh (200107) [2 : 30-30-0]: The introduction of the basis, the process of formation, development of Ho Chi Minh's ideology and the core contents of Ho Chi Minh's ideology on issues: Ethnicity, national liberation revolution, socialism, Vietnam Communist Party, solidarity, State, culture, morality and building new people.

Communication Skills (202620) [2 : 30-30-0]: Providing and explaining student about basic concepts of communication; skills, styles and elements to build up communication skills.

Basic Agro-Economics (208104) [2 : 30-30-0]: Providing knowledge of Vietnam's agricultural economy, knowledge of the agricultural product market, state management policies for the agricultural market; knowledge of economic principles and the application of these principles in agriculture. These knowledge will help students understand some basic knowledge in agricultural economics, equip them with knowledge of supply and demand, agricultural markets, state management methods, as well as economic policies applied to manage agricultural markets in Vietnam.

Agro-Marketing (204921) [2 : 30-30-0]: Study on the relation between saler (producer) and buyer (consumer) through 4 elements of Marketing, this is product, price, place and promotion (marketing – mix). These elements always have a very strong relation. Introduction to several case study/situation that relevant to how to introduce a product to market successfully, saler and buyer are satisfied.

Farm Management (208414) [2 : 30-30-0]: Providing for student basic knowledge of farm management which includes economic principles and process of decision making in farm management; supplying student main issues in management such as income, documents relating to farm, properties of the farm and using them to analyse the business activities in the farm.

Project Building and Management (208531) [2 : 30-30-0]: Training for students to build up skills and knowledge about market, technical issues, finance, planning and managing a agricultural project.

Agro-Microorganisms (204114) [3 : 60-30-30]: Providing for student knowledge of history and development of microbiology; roles of microorganism in crop production; structure and classification of microorganism; relation between microorganism and crop and application of microorganism in cultivation effectively.

Plant Systematic (204116) [2 : 30-30-0]: Providing students with knowledge of taxonomy, morphology and phylogenic relation of plant in general and crops in especial. This module is also an approach at the morphological and molecular levels, which can be used in evaluation, classification and plant identification.

Plant Biodiversity (204729) [2 : 30-30-0]: Providing students understand the extent of plant biodiversity according to different plant families; applying the knowledge of species diversity in use and development of new crop species as well as improving the knowledge on the conservation of endangered plant resources.

4.2 FUNDAMENTAL COURSES

Scientific Approach (204620) [2 : 30-30-0]: Providing for student the concepts related to scientific research, type of scientific research; helping student understand all basic steps to conduct a scientific research; providing for student knowledge of selecting a suitable research method for specific issue to meet given objectives.

Plant Biochemistry (204113) [3 : 60-30-30]: Providing to students the basic knowledge, concepts related to molecules, groups of bio-molecules those present in plants and the basic chemical processes taking place in plants and the related organisms. These knowledges will establish a foundation for students and help them to approach to other subjects in coming semesters as well as allow them applying the knowledge into practice after graduation.

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Plant Physiology (204103) [3 : 60-30-30]: Providing for student knowledge of structure and physiological roles of substances in cell, tissue; the exchange of water, nutrient in cell; physiological roles of nutrients in crop life cycle; photosynthesis and factors effect on this; relation between photosynthesis and yields; process of respiration, application of respiration for crop product storage; growth and development process of plant; application of growth regulation in crop production; adaptation of plant in disadvantage conditions.

Fundamentals of Soil Science (204303) [3 : 60-30-30]: Providing for student definition/concepts of soil science; roles of soil in eco-system and agricultural production; factors to form soil; principles and methods to classify soil type. The subject also describes soil profile; physic, chemical and biological characteristics of soil; process of soil forming; water state in soil; soil quality; causes of soil regress and methods to improve soil quality.

Agro-Meteorology (204615) [2 : 30-30-00]: Providing, describing and explaining the concepts and parameters of climate, weather; training student skills to apply knowledge of agro-meteorology into agricultural production throughout four parts of the subject.

Plant Genetics (204216) [3 : 60-30-30]: Providing for student knowledge about background of genetic phenomenon, genetic rules, genetic techniques and diversity in genetics. Subject also has five lesson for practising in laboratory and in the field.

Soil Fertility and Fertilizer (204301) [3 : 60-30-30]: Providing for student concepts of component, charateristic of soil fertility and fertilizer; the roles of fertilizer in crop life cycle; relation of soil, plant and fertilizer; type of fertilizer; characteristic of nutrient element in soil; determining the needs of fertilizer for crop and reason to apply fertilizer correctly.

Experiment Methodology (204616) [3 : 60-30-30]: Providing for student knowledge of statistics and apply this into research; making a investigate research and designing a field experiment; collecting, analysing data of the experiment and writing report and give comments.

Molecular Biology in Agriculture (204115) [3 : 60-30-30]: Broviding the knowledge on the basic principles of molecular biology and its applications in analysis, genetic resource evaluation of plants for assisting crop breeding, crop identification, diagnosis of microorganism. Student after completed this course are able to obtain foundation knowledge and skills to apply it in actual agriculture production after graduation.

Biotechnology in Agriculture (204212) [2 : 30-30-0]: Providing the basic knowledge in the role of biotechnology in plant breeding, biotechnology methods used in plant selection and application. Biotechnology in plant breeding. This course is designed to provide for student knowledge, application and manipulation of basic techniques of biotechnology in plant breeding. Applying biotechnology techniques to select plant varieties.

Weeds and Weed Management (204753) [3 : 60-30-30]: Providing for student basic knowledge of weeds, that includes morphological and biological characteristics of weeds and methods for controlling weeds.

4.3 SPECIALIZED COURSES

Fundamentals of Agronomy (204534) [2 : 30-30-0]: Providing student knowledge of crop production; the factors effect on crop production includes crop physiology, climate, soil fertility, plant breeding, seed technology, plant protection, harvest, storage and consumer market.

Internship 1 (204908) [1 : 45-0-45]: During one monht, students join in the World of Work to observe, describe and analyse, evaluate an issue in agricultural activity, then writing a report on their work.

On-farm Practice (204539) [1 : 45-0-45]: Providing practical lesson on farm, that includes soil preperation, fertilizer application and practice on propagation of some crops.

Internship 2 (204425) [1 : 90-0-90]: During two months, students join in the World of Work to

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investigate or conduct a specific research, then collect, analyse data and make a report on their work.

Plant Protection Products (204754) [3 : 60-30-30]: Providing for student understandings of physical, chemical, and biological affect of pesticides; helping student how to use correctly pesticides in crop production activity.

Plant Breeding (204217) [3 : 60-30-30]: Generally introducing to plant breeding; using plant genes; background of quantity genetics in plant selecting; plant breeding and hybrid plant; methods of plant selection and seed production.

Water Management in Crop Production (204625) [3 : 60-30-30]: Describing the relations of soil-water-crop; appropriate water management to creat a suitable environment for developing of crop in saving water way; controlling soil erosion caused by water; improving salty/alum soil in order to increase effective soil use in agriculture.

Plant Pathology (204734) [3 : 60-30-30]: Providing for student basic knowledge of plant pathology includes symptom, causes of disease, charaters of disease spreading and control methods of diseases on some main crops.

Entomology (204735) [3 : 60-30-30]: Presenting the principles and methods to prevent insects; providing for student morphological and biological characteristics of common insects and methods to prevent them on some main crops.

Fruit Crops (204428) [3 : 60-30-30]: Providing students with basic knowledge on production and consumption status of tropical fruits of Vietnam, how to improve yield and quality on some main fruits in Southern of Vietnam. In addition, this course also provides some skills about information collection, team and personal working, ability of application knowledge on farming.

Field trip 1 (204544) [1 : 30-0-30]: Providing systematize the knowledge and reality production information and realize the main area of agriculture cultivation in Mekong delta such as pomelo plantation, rice farming, orange plantation. Besides that, students were given more chance and practical knowledge, soft skills and collect data from guider, analyse abilities, independent work, team work effective. This course helps student can be realize the main area of ecology systems and agriculture cultivation in Mekong delta, provide the overview about related career, Besides that, students were given more chance and practical knowledge, soft skills and collect data from guider, analyse abilities, independent work, team work effective.

Flower and Ornamental Plants (204416) [3 : 60-30-30]: Providing for student information about flower and ornamental plant industry; supplying knowledge of flower cultivation which combine advanced techniques and experiences of craftsman in flower and ornamental plant industry.

Vegetables (204411) [3 : 60-30-30]: Introducing to production, consumption, prospect of development, climate requirements for growth and development of vegetable; providing student knowledge of planting vegetable which would give high yields and quality and meet safety standards of food as well as providing student professional knowledge of planting techniques of some common vegetable such as cabbage, tomato, potato and herbs.

Food Crops (204427) [3 : 60-30-30]: Providing student the understandings, basic knowledge about rice, cassava, sweet potato, and maize's life such as growth and development process of rice; effect of climate conditions on rice's development. Since that students can explain and initiative appropriate technical solutions for researching or guiding to cultivate rice with high yields and quality.

Agriculture Extension (204423) [2 : 30-30-0]: Helping student understand the methods of extension; extension as a tool to help farmers applying new techniques in their farm; providing for student knowledge of the network of extension at different levels.

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Perennial Industry Crops (204542) [3 : 60-30-30]: Providing for students the knowledge about techniques of coffee, tea, rubber, pepper and cacao planting, processing and standards of coffee bean for export.

Annual Industry Crops (204542) [3 : 60-30-30]: Providing for students the knowledge about techniques of sugar cane, peanut and cotton planting, processing and standards of coffee bean for export.

Field trip 2 (204545) [1 : 30-0-30]: Providing systematize the knowledge and reality production information and realize the main area of agriculture cultivation in Central highland such as rubber plantation, coffee plantation, flower farm, grapefruit plantation, dragonfruit plantation. Besides that, students were given more chance and practical knowledge, soft skills and collect data from guiders and farmers, analyse abilities, independent work, team work effective. This scourse helps student can be realize the main area of ecology systems and agriculture cultivation in Central highland, provide the overview about related career, Besides that, students were given more chance and practical knowledge, soft skills and collect data from guider, analyse abilities, independent work, team work effective.

Professional English in Agriculture (204931) [3 : 45-45-0]: Providing student a simple basic understanding and knowledge of the agricultural English used in research reports on agricultural production systems; focusing on written communication skills and utilizes email and discussion groups for submission of assignments and to facilitate interaction between and among students and instructor. These knowledge will make a meaningful contribution to the English and technical studies of agricultural scientists and that it will help to bride the communication gap between native and non-native users of agricultural English in their attempts to work together to develop sustainable agricultural production systems.

Public Relations (204920) [2 : 30-30-0]: Providing and explaining briefly student for basic knowledge about concepts, tools and skills of public relations throughout four chapters.

Postharvest Preservation (210303) [2 : 30-30-0]: Providing for student science background, general principles and tools using in agricultural product storage technology from simple to advanced way.

Soil and Water Conservation ([2 : 30-30-0]: Providing for student knowledge of soil production, causes of losing soil fertility, the principles of soil conservation and water in agriculture. The subject also supplies knowledge of causes to soil erosion and the methods to control this.

Fertigation System in Greenhouse (204622) [2 : 45-15-30]: Providing some first approachment to automatic fertilizing combine with watering, clarify the water role and the efficiency of the fertigation system. Practices part will help students familiar with required equipment in modern agriculture, type of fertilizers, and design a suitable system.

Applied IoT in High Tech Agriculture (204623) [2 : 45-15-30]: Introducing students to the application of wireless network technologies in management, operation of modern agricultural production in the vision of sustainable and high technology. The practices part of this course was also designed in order to help students more familiar with applied automatic devices, sensors nodes, sensors board building based on Arduino, and basic automation.

Plant Propagation Technology (204211) [2 : 45-15-30]: Providing the basic principles and technologies of crop production by sexual and asexual propagation, micropropagation technology. Basis of principles, conditions and methods of propagation, multiply propagation, preservation, take care after propagation, nurseries and production gardens.

Advanced Plant Breeding (204220) [2 : 45-15-30]: Providing knowledge about the main work in plant breeding and genetical bases of plant breeding according to specific plant. Method of designing and performing a plant breeding program for a specific crop object.

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Mushroom Production (204426) [3 : 60-30-30]: Providing for student knowledge of bionomics, nutrient values of mushroom and characteristics of common mushroom variety; providing for student knowledge of producing such of mushroom.

Medical Plants (204541) [2 : 60-30-30]: Providing student knowledge about variety, propagating and planting of groups of medical plant that classified according to natural substance using in medicine.

Applied GIS in Agriculture Production (204624) [3 : 60-30-30]: Introducing students to geographic informatics system (GIS); elements of GIS; methodologies to collect data in GIS; options to analyse in GIS and cases of applying GIS in agriculture.

GAP and Organic Agriculture (204311) [2 : 30-30-0]: Providing the basic concepts of Good Agricultural Practices (GAP) in order to guide the production systems towards a sustainable agriculture and ecologically safe, obtain harmless products of higher quality, contribute to food security generating income through the access to markets and improve working conditions of producers and their families.

Agro-Forestry Systems (204549) [2 : 30-30-0]: Providing for students the basic knowledge about the concept of agro-forestry systems, generally introduction of technical agro-forestry systems will be applied in small farming combined with agriculture and veterinary regarding traditional and modify systems, method of approach to design, establish and develop agro-forestry systems, transfer these systems to reality production.

Professional seminar on Soft skills (204926) [1: 15-15-0]: Providing for students with some soft-skills related to agricultural production. It also helps students understand, apply those skills into agricultural production activities, support and complete basic skills that aim to achieve all listed objectives.

Professional seminar on High-tech Agriculture (204429) [1 : 15-15-0]: Providing for students with an in-depth understanding of the principles and practices of high-tech agriculture. Introducing high-tech applications into agriculture to improve yield and quality in crops production.

Topic on Applied Plant Physiology in Agriculture (204117) [2 : 60-15-45]: Providing for students the knowledge of the specific techniques (controls of water, nutrients, light, temperature etc...) in crop productions through tools based on plant physiological knowledge. This topic provides for students the knowledge of the specific techniques in crop production through the tools and plant physiological knowledge. This knowledge will enable students to apply in actual production after graduation.

Topic on Plant Breeding in Sustainable Crop Production adapted to Climate Change (204219) [2 : 30-30-0]: Providing for students the knowledge, understanding and application of principles genetic, plant breeding and the related subjects such as cultivation system, statistics in due to propagate crops with specific goals.

Thesis (204925) [10 : 150-0-150]: Training students to have capacities for plan establishment, development and completion a specific research in the field of agriculture as well as to help students to have abilities for syntheses, training and perfection all knowledge, experience and skills in order to communicate with World of Work.

PROGRAMME SPECIFICATION

TEACHING AND LEARNING METHOD

Educational philosophy

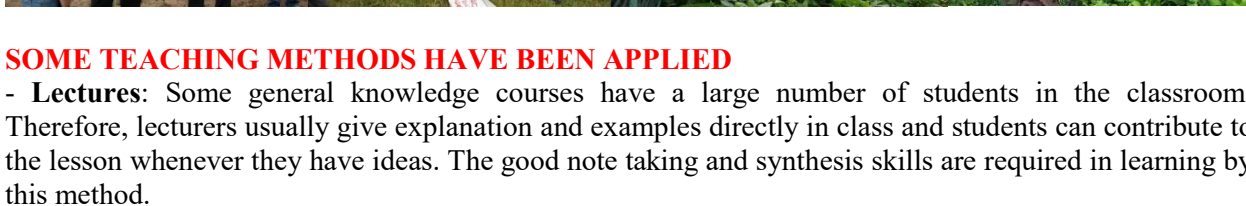
The FA of NLU supports the education with "*learner as the center*" and "*learning by doing*" in an active and productive learning environment, developing learners' self-directed learning, research capacity, and creativity. The Faculty philosophy of education is initiative learning and reality-based learning, in particular:

- The learners are initiative in their learning and research;
- The learners build up and reinforce their knowledge, skills and attitudes thanks to education and practical experiences;
- The learners are prepared for self-directed learning and life-long learning.

Learner as the center



Learning by doing



SOME TEACHING METHODS HAVE BEEN APPLIED

- **Lectures:** Some general knowledge courses have a large number of students in the classroom. Therefore, lecturers usually give explanation and examples directly in class and students can contribute to the lesson whenever they have ideas. The good note taking and synthesis skills are required in learning by this method.



PROGRAMME SPECIFICATION

-Seminars and teamwork learning: Students are divided into small groups to solve a problem or present a specific topic related to the lesson. This method requires a hard working spirit and the self-learning awarenesses from each member of the group. Students have to spend time working by their own or discussing with other members of the group to find out the solutions. Students usually get many experiences from this learning method especially the ones support teamwork skills such as: communication, group management and division, oral presentation skills, time management, etc.



-Group discussion/debate: students are divided into small groups and work together to find out the answers for the questions raised at the beginning of the lesson. These small groups can discuss or debate together to deeply learn about the lesson. Not only this method help enhance the brainstorming but it also stimulate critical thinking of the students.



-Project/research based learning: Students usually gain knowledge and skills during the time they work on the small project or research. This method is often used for teaching specialized courses which required deeper knowledge about academic fields. It also trains the students some skills and techniques in working on the research such as: choose appropriate methods, set up the experiments, collect and analyse data, present the result, etc. The experiences that they get from this method is the sound foundation help them do thesis research in the future.



-Laboratory work: This is the compulsory component of most of the fundamental and specialized courses. This component help the students start to get familiar with laboratory techniques and research tools from basic to advanced steps.



PROGRAMME SPECIFICATION

INTERNSHIPS

At the 1st and 2nd academic year, Internship 1 and Internship 2 are designed as the compulsory course of the training programme in which students have to spend from one to two months working at the workplaces and learning how to process tasks in reality.



FIELD TRIPS

At the 3rd and 4th academic year, Field trip 1 and Field trip 2 are designed to reinforce and systematize learned knowledge about crop production system in agriculture by one week reality experienced based learning at the different ecological systems in southern Vietnam.











PROGRAMME SPECIFICATION

PROFESSIONAL SEMINARS AND CAREER ORIENTATION


During the training programme, students always have opportunities to access updated information related to agronomy including innovations in both crop production and crop protection. Professional seminars are jointed in the programme in order to provide their knowledge of new technologies and information from specialists, human resources unit from companies, government and non-government organizations, as well as crop production farms. Moreover, in some courses, students also have chances to visit the production factories or farms to learn from reality.



LIST OF SOME PARTNERS SIGNED MoU IN 2019

No.	NAME OF PARTNERS	
1	HSC – Agritech Joint Stock Company	
2	Hai Duong International Joint Stock Company	
3	ITM Ho Chi Minh City Joint Stock Company	
4	Vietnam Pesticide Joint Stock Company (VIPESCO)	
5	Tan Loc Phat Seeds Limited Company	
6	Post Entry Plant Quarantine 2	
7	Research and Development Center for High Technology Agriculture	
8	Center of Research and Applied Biotechnology in Tropics	
9	Research Institute for Oil and Oil Plants of Vietnam	

PROGRAMME SPECIFICATION

10	Institute of Tropical Biology	
11	Dong Nai Crop Production and Plant Protection Sub-Department	
12	Ho Chi Minh City Crop Production and Plant Protection Sub-Department	
13	Plant Quarantine Sub-department Region 2	
14	An Phu Nong Limited Company	
15	Central Plant Protection Joint Stock Company No.1.	
16	Binh Dien Fertilizer Joint Stock Company	
17	Thien Sinh Joint Stock Company	
18	Southern Region Plant Protection Center	
19	Southern Pesticide Control and Testing Center	
20	Loc Troi Group	
21	Sugarcane Research Institute	
22	Phu Rieng Rubber Limited Company	
23	Rubber Research Institute of Vietnam	
24	Vietnam Cotton Joint Stock Company	
25	VIDAN Limited Company	
26	Experimental Research Center of Agriculture Hung Loc	

PROGRAMME SPECIFICATION

CONTACT INFORMATION

GENERAL CONTACT INFORMATION

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Website: <http://fa.hcmuaf.edu.vn>, Email: knh@hcmuaf.edu.vn

ACADEMIC STAFF AND SUPPORT STAFF

Position/Title	Name	Contact	Research field
Dean	Dr. Vo Thai Dan	vothaidan@hcmuaf.edu.vn	Industrial crops production (perennial crops), conservation and cultivation of native plant species, evaluation of genetic variety, solutions to crop production adapted climate change
Vice Dean	Dr. Tran Van Lot	tvlot@hcmuaf.edu.vn	Industrial crops production (perennial crops), establishment and evaluation crop production system, solutions to sustainable agriculture
Vice Dean	MSc.Pham Huu Nguyen	phnguyen@hcmuaf.edu.vn	Vegetables crop production, Agronomy Extension

Department of Food - Vegetables - Flower and Fruits Crop

Position/Title	Name	Contact	Research field
Head of the Department	Dr. Vo Thai Dan	vothaidan@hcmuaf.edu.vn	As listed above
Lecturer	Dr. Hoang Long	long.hoang@hcmuaf.edu.vn	Food crop production
Lecturer	MSc. Pham Huu Nguyen	phnguyen@hcmuaf.edu.vn	As listed above
Lecturer	MSc. Thai Nguyen Diem Huong	diemhuong_tn@hcmuaf.edu.vn	Fruit crop production
Lecturer	MSc. Nguyen Pham Hong Lan	lan.nonghoc@hcmuaf.edu.vn	Floral crop production
Lecturer	MSc. Nguyen Van Phu	nvphu@hcmuaf.edu.vn	Food crop production

Department of Genetics and Plant Breeding

Position/Title	Name	Contact	Research field
Head of the Department	MSc. Ho Tan Quoc	quoc.hotan@hcmuaf.edu.vn	Plant genetics, Plant selection and breeding
Lecturer	Dr. Nguyen Phuong	nguyenphuong@hcmuaf.edu.vn	Plant genetics, Plant selection and breeding
Lecturer	Dr. Nguyen Chau Nien	nien.nguyen@hcmuaf.edu.vn	Plant genetics, Plant selection and breeding
Lecturer	MSc.Nguyen Thi Thanh Duyen	ntthanhduyen@hcmuaf.edu.vn	Plant genetics, Plant selection and breeding
Lecturer	MSc.Nguyen Tuyet Nhung Tuong	nhungtuong@hcmuaf.edu.vn	Plant genetics, Plant selection and breeding

Department of Plant Physiology and Biochemistry

Position/Title	Name	Contact	Research field
Head of the Department	Assoc.Prof. Pham Van Hien	pvhien@hcmuaf.edu.vn	Plant physiology, crop production system
Lecturer	Dr. Bui Minh Tri	buiminhtri@hcmuaf.edu.vn	Plant nutrition, Bioactive substances, Plant Molecular Biology, Natural Resource assessments, Plant propagation
Lecturer	MSc. Tran Trung Dung	ttdung@hcmuaf.edu.vn	Plant secondary metabolites, Essential oils, Propagation
Lecturer	BSc. Phan Hai Van	phvan@hcmuaf.edu.vn	Plant physiology, propagation

PROGRAMME SPECIFICATION

Department of Industrial Crops

Position/Title	Name	Contact	Research field
Head of the Department	Dr. Vo Thai Dan	vothaidan@hcmuaf.edu.vn	As listed above
Lecturer	Dr. Tran Van Lot	tvlot@hcmuaf.edu.vn	As listed above
Lecturer	Dr. Nguyen Duc Xuan Chuong	chuong.nguyen@hcmuaf.edu.vn	Industrial crops production (perennial crops), seeds technologies, organic crops production
Lecturer	MSc. Nguyen Thi Thuy Lieu	nguyenlieuqn@hcmuaf.edu.vn	Industrial crops production (annual crops), conservation and cultivation of medical plants
Lecturer	MSc. Nguyen Thi Huyen Trang	nthtrang@hcmuaf.edu.vn	Industrial crops production (annual crops), conservation and cultivation of medical plants
Lecturer	MSc. Tran Van Binh	tranvanbinh@hcmuaf.edu.vn	Industrial crops production (perennial crops), Agro-forestry

Department of Plant Protection

Position/Title	Name	Contact	Research field
Head of the Department	Dr. Le Khac Hoang	lkhoang@hcmuaf.edu.vn	Entomology, Biocontrol of insect pests, pesticides.
Lecturer	MSc. Le Cao Luong	lcluong@yahoo.com	Entomology, Biocontrol of insect pests, pesticides.
Lecturer	MSc. Nguyen Tuan Dat	nguyentuandatat@hcmuaf.edu.vn	Entomology, Biocontrol of insect pests, pesticides,
Lecturer	MSc. Tran Thi Ngoc Bich	ttnbich@hcmuaf.edu.vn	Plant pathology, pesticides, myco-organisms
Lecturer	BSc. Nguyen Huu Truc	nhtruc@hcmuaf.edu.vn	Weed management and pesticides
Lecturer	BSc. Nguyen Thi Phung Kieu	phungkieu@hcmuaf.edu.vn	Entomology, Biocontrol of insect pests, Agroecology crop protection

Department of Soil - Agro Chemistry

Position/Title	Name	Contact	Research field
Head of the Department	Assoc.Prof. Huynh Thanh Hung	hunght@hcmuaf.edu.vn	Soil science, management of fertilizer using, Good Agriculture Practice, tobacco production
Lecturer	Dr. Tran Van Thinh	tranvanthinh@hcmuaf.edu.vn	soil science, substrates and plant nutrition; soil surveying, analyzing, evaluation of soil quality, water source for land use change and planning
Lecturer	Dr. Nguyen Thanh Binh	binh.ngthanh@hcmuaf.edu.vn	compost technology and its utilization, nitrogen cycle in plant-soil systems.
Lecturer	MSc. Le Trong Hieu	hieu.letrong@hcmuaf.edu.vn	soil science, substrates and plant nutrition; soil surveying, analyzing, evaluation of soil quality
Lecturer	MSc. Pham Thi Thuy Duong	pttduong@hcmuaf.edu.vn	soil science, fertilizer using in crop production, soil quality, micro-organisms in soil

PROGRAMME SPECIFICATION

Department of Water Management

Position/Title	Name	Contact	Research field
Head of the Department	Dr. Nguyen Duy Nang	ndnang@hcmuaf.edu.vn	Agricultural meteorology, Soil Sciences, Irrigation, Soilless culture, Advanced agriculture, Organic cultivation
Lecturer	MSc. Tran Hoai Thanh	hoaitanh@hcmuaf.edu.vn	Soil Sciences, Irrigation, Soilless culture, Advanced Agriculture, Organic cultivation, IoT application in agriculture
Lecturer	MSc. Nguyen Thi Ai Ha	ntaha@hcmuaf.edu.vn	Water management in crop production

Support Staff

Position/Title	Name	Contact	Responsibilities
Secretary of faculty	MSc. Tran Thanh Tuyen	tuyen.tranthanh@hcmuaf.edu.vn	Welcome and support students and lecturers related to administration procedure
Academic support staff	BA. Tran Thi Phuong Thu	phuongthukh@yahoo.com	Welcome and support students, lecturers related to Academic affairs
Farm support staff	Phan Thi Ly	0937986980	Support lecturers and students with facilities and matters related to the research farm



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