MINISTRY OF EDUCATION AND TRAINING
QUY NHON UNIVERSITY

UNDERGRADUATE PROGRAM

Level of education : **Undergraduate**
Major : **Land Management**
Code : **7850103**
Type of education : **Full-time**

Gia Lai, 2025

MINISTRY OF EDUCATION AND TRAINING
QUY NHON UNIVERSITY

SOCIALIST REPUBLIC OF VIET NAM
Independence - Freedom - Happiness

UNDERGRADUATE PROGRAM

(Issued together with Decision No. 2178/QĐ-ĐHQN dated August 01, 2025 of the Rector of Quy Nhon University)

Level of education: **Undergraduate**
Major : **Land Management**
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1. PROGRAM OBJECTIVES (POs)

1.1. General objectives

The undergraduate program in Land Management equips students with the knowledge and skills to apply specialized knowledge, research and application of science and technology, skills in using geoinformatics technology, digital capabilities, and artificial intelligence to solve practical problems in the land management sector; possessing political qualities, professional ethics, and good health; having innovative thinking and the ability to work independently, adapting to changes in land management, resource and environmental management in socio-economic development, national defense and security; having professional responsibility, a lifelong learning mindset, and serving the community in international integration.

1.2. Specific objectives

+ PO1: Possess a strong grasp of professional knowledge and practical skills in the field of land management;

+ PO2: Have a vision, critical thinking, proactively cooperate, and solve problems at the unit, local, national, and global levels;

+ PO3: Possess the ability to self-learn, innovate, think entrepreneurially, and have digital skills;

+ PO4: Possess ethical qualities, professional responsibility, a professional work style, friendly cooperation, and a sense of community service.

2. EMPLOYMENT OPPORTUNITIES AND FURTHER STUDY PROSPECTS

Graduates from the Land Management program can work at:

1) Commune People's Committees: Land Administration - Agriculture - Construction - Irrigation – Environment.

2) Provincial/City People's Committees, Department of Agriculture and Environment

3) Public service units under the Department of Agriculture and Environment of provinces/cities: Land Registration Office; Land Fund Development Center; Agricultural Planning Center, Investment Project Management Board...

4) Consulting companies in the fields of surveying, GIS, remote sensing, databases, planning, real estate, valuation, construction, agriculture, forestry, irrigation, environment...

5) Lecturers, researchers, experts at universities, colleges, and research institutes in the fields of land, agriculture, forestry, construction, and environment.

6) Departments, Institutes, and Centers under the Ministry of Agriculture and Environment.

Graduates with a Bachelor's degree in Resource and Environmental Management can continue their studies at the Master's and Doctoral levels in the following fields and specializations: Land Management; Resource and Environmental Management; Surveying and Mapping Engineering; Remote Sensing and Geographic Information Systems.

3. LEARNING OUTCOMES

(Program Learning Outcomes)	**(Performance Indicators)**
1) PLO1: Apply knowledge related to land management to provide information and data for state land management and societal needs.	*PI 1.1: Identify knowledge related to land management to facilitate the collection of information and data on land.*
	PI 1.2: Apply knowledge related to land management to provide information and data for state land management and societal needs.
2) PLO2: Apply knowledge and skills related to evaluating and analyzing land data to support decision-making.	*PI 2.1: Identify knowledge and skills related to evaluating and analyzing land data.*
	PI 2.2: Prepare reports evaluating and analyzing land data to support decision-making.
3) PLO3: Apply administrative procedures and processes, and utilize data and information in land management to perform professional tasks.	*PI 3.1: Understand the administrative processes and procedures for land management, data exploitation, and land information.*
	PI 3.2: Perform administrative procedures related to land management at state management agencies, public services at public service units, and consulting services.
	PI 3.3: Perform professional tasks based on the land information system on an electronic platform.

(Program Learning Outcomes)	(Performance Indicators)
4) PLO4: Apply communication and teamwork skills to solve problems in the field of land management in the context of global integration.	*PI 4.1: Identify and select appropriate communication and teamwork methods and skills for each specific task in the field of land management.*
	PI 4.2: Apply communication and teamwork skills to solve specific problems in state land management.
	PI 4.3: Understand global issues related to land management.
5) PLO5: Utilize critical thinking and problem-solving skills in the field of land management.	*PI 5.1: Identify existing inconsistencies in land management.*
	PI 5.2: Plan and implement solutions to address these issues in land management.
6) PLO6: Identify opportunities for entrepreneurship and innovation from exploiting public services in the land sector.	*PI 6.1: Identify the context of land management and public services.*
	PI 6.2: Formulate innovative startup ideas for exploiting public services in the land sector.
7) PLO7: Apply self-learning abilities, digital skills, and lifelong learning to adapt and develop professionally.	*PI 7.1: Demonstrates autonomy and responsibility in the learning process by proactively gathering relevant knowledge and information from various sources.*
	PI 7.2: Possesses the digital capacity to search for information and translate that information into knowledge for problem-solving.
8) PLO8: Demonstrate responsibility in work and honesty in performing duties and responsibilities.	*PI 8.1: Identify ethical and professional responsibility issues in the professional activities of the land management field.*
	PI 8.2: Provides professional assessments and evaluations in the land management field based on the nature of ethical and professional responsibility issues and their impact.

4. PROGRAM DURATION AND TOTAL CREDITS

4.1. Program Duration: 4 years

4.2. Total credits:: 135 tín chỉ (chưa bao gồm GDTC và GDQP-AN)

Program structure	Credits
General Knowledge	**24**
Professional Knowledge	**111**

- Fundamental knowledge	33
- Specialized knowledge (if any)	43
- Supplementary Knowledge *Internship*	29 *7*
- Graduation thesis, Alternative courses	6
Total	**135**

5. ADMISSION REQUIREMENTS

Admission criteria are based on Quy Nhon University's current admission regulations.

6. RAINING METHOD, GRADUATION REQUIREMENTS

6.1. Training Method: Credit-based training

6.2. Graduation Requirements

- *Academic requirements:* Students must accumulate the required number of credits and study volume according to the training program; have a cumulative GPA of 2.00 or higher (on a 4-point scale).

- *Achieve the program's learning outcomes.*

- *Physical Education and National Defense & Security Education*: Complete all Physical Education courses and obtain a National Defense & Security Education certificate as required.

- *Foreign language proficiency*: Meet the foreign language proficiency standards as currently prescribed by Quy Nhon University.

- *Information technology proficiency:* Meet the basic information technology skills standards as currently prescribed by Quy Nhon University.

- *Moral and ethical requirements*: At the time of graduation, students must not be under criminal investigation and must not be subject to disciplinary action at the level of suspension from studies.

7. TEACHING METHODS AND LEARNING ASSESSMENT

7.1. Teaching Methods

No	Teaching strategies	Teaching methods
1	**Direct teaching:** Direct teaching is the process in which instructors impart basic knowledge and information to learners, with instructors actively controlling, guiding, and implementing the teaching activities. Through detailed presentations, explanations, and guidance, instructors help learners access and understand the lesson content. This teaching strategy is effective in providing systematic knowledge, guiding the development of new skills, and creating a solid foundation for learners to apply in their professional work, thereby developing practical skills.	- Lecture/Speech/Presentation - Explanation and illustration - Discussion (Question and Answer) - Problem presentation - Simulation method - Practical guidance (Demonstration)
2	**2. Indirect Teaching:** Indirect teaching is a teaching strategy in which instructors create a learning environment where learners actively access knowledge without direct intervention. This method encourages learners to actively participate in the learning process, using critical thinking and problem-solving skills independently. Instead of instructors directly transmitting knowledge, learners discover, research, and apply what they have learned on their own. This teaching strategy not only helps develop self-learning and research abilities but also enhances learners' awareness and personal responsibility in their learning and career development.	- Case-based learning - Problem-based learning - Open-ended questions - Exercises - Discussions - Debates - Projects - Online learning

3	**Experiential learning comprises four cycles:** Concrete experience, where learners participate in practical activities such as group discussions, experiments, or field trips; Reflection, where learners contemplate and analyze the results, behaviors, and emotions from the experience; Concept formation, where learners draw lessons and theories from the reflection process; and Active experimentation, where learners apply knowledge to new situations to test and adjust. Experiential learning not only helps develop knowledge and skills but also enhances learners' attitudes.	- Experiential learning - Internships - Fieldwork - Simulations - Practice - Discussions - Projects
4	**Interactive Learning:** Interactive learning is a teaching strategy in which learners not only receive knowledge from the instructor but also actively participate in discussions, dialogues, and collaborations with peers and the instructor. The instructor organizes and coordinates the learning process, creating opportunities for learners to interact and provide continuous feedback. This teaching strategy helps develop communication, collaboration, critical thinking, and problem-solving skills, while also enhancing learners' confidence and initiative.	- Interactive lectures - Group exercises - Discussions - Debates/Debates - Practices - Internships - Fieldwork - Projects
5	**Self-Learning:** Self-learning is a learning strategy in which learners are autonomous in setting goals, building plans, and controlling their learning process with minimal support from the instructor. Learners proactively seek out resources and complete learning tasks through assignments, projects, or problems proposed by the instructor. Self-learning not only helps develop self-learning and research skills but also promotes self-reliance, personal responsibility, and independent problem-solving abilities.	- Online learning - Homework - Self-directed learning - Practice - Internship - Fieldwork - Projects

7.2. Learning Assessment

In accordance with the Regulations on Undergraduate Training issued with Decision No. 1487/QD-DHQN dated July 1, 2021, by the Rector of Quy Nhon University, and the current Regulations on Examination and Evaluation based on Program Output

9. PROGRAM CONTENT

No	Course Code	Course Name	Semester	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Note
					Theory	Practise	Tests					
I. General Knowledge				**24**								
I.1. Political Science & Law				**13**								
1	1130299	Philosophy of Marxism and Leninism	1	3	40		10			85		C
2	1130300	Political economics of marxism and leninism	2	2	27		6			57		C
3	1130091	Ho Chi Minh thought	5	2	27		6			57	1130046	C
4	1130301	Science socialism	3	2	27		6			57		C
5	1130302	History of Vietnamese Communist Party	4	2	27		6			57		C
6	1130049	Fundamentals of Law	1	2	27		6			57	1130045	C
I.2. Physical Education, National Defense and Security Education				**11**								
7	1120172	Physical Education 1 (Football 1) (*)	1	1	4			26		21		CC 1
8	1120173	Physical Education 2 (Football 2) (*)	2	1	4			26		21	1120172	CC 1
9	1120174	Physical Education 3 (Football 3) (*)	3	1	4			26		21	1120173	CC 1
10	1120175	Physical Education 1 (Volleyball 1) (*)	1	1	4			26		21		CC 2
11	1120176	Physical Education 2 (Volleyball 2) (*)	2	1	4			26		21	1120175	CC 2
12	1120177	Physical Education 3 (Volleyball 3) (*)	3	1	4			26		21	1120176	CC 2
13	1120178	Physical Education 1 (Basketball 1) (*)	1	1	4			26		21		CC 3
14	1120179	Physical Education 2	2	1	4			26		21	1120178	CC 3

No	Course Code	Course Name	Semester	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Note
					Theory	Practise	Tests					
		(Basketball 2) (*)										
15	1120180	Physical Education 3 (Basketball 3) (*)	3	1	4			26		21	1120179	CC 3
16	1120181	Physical Education 1 (Badminton 1) (*)	1	1	4			26		21		CC 4
17	1120182	Physical Education 2 (Badminton 2) (*)	2	1	4			26		21	1120181	CC 4
18	1120183	Physical Education 3 (Badminton 3) (*)	3	1	4			26		21	1120182	CC 4
19	1120184	Physical Education 1 (Vietnamese Traditional Matial Arts 1) (*)	1	1	4			26		21		CC 5
20	1120185	Physical Education 2 (Vietnamese Traditional Matial Arts 2) (*)	2	1	4			26		21	1120184	CC 5
21	1120186	Physical Education 3 (Vietnamese Traditional Matial Arts 3) (*)	3	1	4			26		21	1120185	CC 5
22	1120187	Physical Education 1 (Taekwondo Matial Arts 1) (*)	1	1	4			26		21		CC 6
23	1120188	Physical Education 2 (Taekwondo Matial Arts 2) (*)	2	1	4			26		21	1120187	CC 6
24	1120189	Physical Education 3 (Taekwondo Matial Arts 3) (*)	3	1	4			26		21	1120188	CC 6
25	1120190	Physical Education 1 (Karatedo	1	1	4			26		21		CC 7

No	Course Code	Course Name	Semester	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Note
					Theory	Practise	Tests					
		Matial Arts 1) (*)										
26	1120191	Physical Education 2 (Karatedo Matial Arts 2) (*)	2	1	4			26		21	1120190	CC7
27	1120192	Physical Education 3 (Karatedo Matial Arts 3) (*)	3	1	4			26		21	1120191	CC7
28	1120239	Physical Education 1 (Pickleball 1) (*)	1	1	4			26		21		CC8
29	1120240	Physical Education 2 (Pickleball 1) (*)	2	1	4			26		21	1120239	CC8
30	1120241	National Defense and Security Education 1 (*)	3	1	4			26		21	1120240	CC8
31	1120168	National Defense and Security Education 2 (*)	4	3	37		16			82		C
32	1120169	National Defense and Security Education 3 (*)	4	2	22		16			52		C
33	1120170	National Defense and Security Education 4 (*)	4	2	14			32		44		C
34	1120171	National Defense and Security Education 1 (*)	4	2	4			52		34	1120170	C
I.3. Foreign Language				**7**								
35	1090061	English 1	1	3	45					90		C
36	1090166	English 2	2	4	60					120	1090061	C
I.4. Social Sciences and Humanities/Mathematics, Natural Science - Environment, Management Science				**4**	**4**							C
37	1150422	Start up	5	2	25		10			55		C
38	2030003	Communication Skills	2	2	18		4	20		48		C
II. Professional Knowledge				**111**								
II.1. Fundamental Knowledge				**33**								
II.1.1. Compulsory				**29**	**20**							
39	1010479	Mathematical statistics	1	2	30					60		C

No	Course Code	Course Name	Semester	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Note
					Theory	Practise	Tests					
40	2020626	Soil chemistry	1	2	24	6				60		C
41	2020627	Earth sciense	1	2	25		10			55		C
42	1050240	Basic Information	1	3	30			30		75		C
43	2020628	General Cartography	2	2	25	5				60		C
44	2020636	Basis Geodesy	2	3	30			30		75		C
45	2020121	Basis of soil	2	2	25		10			55		C
46	2020549	Geography of Viet Nam	2	2	25		10			55		C
47	2020728	Fundamentals of remote sensing	3	2	21			18		51		C
48	2020729	Geographic Information System	3	2	21			18		51		C
49	1080199	State management of land	3	3	40		10			85		C
50	2020553	Environmental Impact Assessement	4	2	20	5	10			55	2020733	C
51	2020730	Scientific research methods in natural resources and environment	4	2	20		10	10		50		C
II.1.2. Optional (4/14)				**4**								
52	1080279	The overall planning development of economic - social	3	2	25		10			55		C
53	2020629	Cultural Geography of Vietnam	2	2	25		10			55		C
54	2020731	Landscape planning	3	2	25		10			55		C
55	1080194	Fundamentals on rational use of natural resources	2	2	25		10			55		C
56	1130370	State administrative organization management	2	2	25		10			55		C
57	2020732	Land Management in the Context of Climate Change	4	2	25		10			55		C
58	2020733	Natural Resource and Environmental Management	3	2	25		10			55		C
II.2. Specialized knowledge				**43**								
II.2.1. Compulsory				**35**								
59	2020128	Land evaluation	4	2	20			20		50		C
60	2020124	Cadastral Map	3	2	25		10			55		C

No	Course Code	Course Name	Semester	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Note
					Theory	Practise	Tests					
61	2020734	Measuring data processing method	3	2	20	10				60		C
62	2020455	Land law	5	3	35		10			75	1080199	C
63	2020735	Surveying, measuring topography	3	2	25			10		55		C
64	1080193	Cadastral surveying practice	6	2	0			60		30		C
65	2020736	Land and assets attached to land Registration	7	3	30		10	20		75	2020552 2020135	C
66	2020737	Land Information System (LIS)	6	2	21			18		51		C
67	2020738	Land statistics inventories and land use mapping	5	2	21			18		51		C
68	2020552	Land use planning	6	2	25		10			55	2020738	C
69	2020739	Land use planning and land use plan practice	7	2				60		30	2020552	C
70	1080202	Land price and Financial management of land	5	3	40		10			85	1080199	C
71	2020555	Recompense, support, and resettlement	7	2	25		10			55	2020738	C
72	2020135	Construction Planning Management	7	2	25		10			55	1080199	C
73	2020127	Real Estate Market	7	2	25		10			55	1080202	C
74	2020133	Practice in building land databases	7	2	0			60		30	2020737	C
II.2.2. Optional (8/20)				8								
75	2020740	Management of real estate brokerage and trading platforms	4	2	25		10			55	1080199	E
76	2020741	State management of real estate business	4	2							1080199	E
77	2020742	Public services on Land	5	2	25		10			55	1080199	E
78	2020743	Basic land investigation	5	2	25			10		55	1080199	E
79	2020744	Administrative Division Boundary Management	6	2	25		10			55	1080199	E

No	Course Code	Course Name	Semester	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Note
					Theory	Practise	Tests					
80	2020745	Sustainable management and use of agricultural land	6	2	25		10			55	2020128	E
81	1080216	Agriculture & Irrigation and water conservancy System	6	2	25		10			55	2020128	E
82	2020746	Land inspection	7	2	25		10			55	1080199	E
83	2020134	Livelihoods in changing land use	7	2	25		10			55	1080194	E
84	2020747	Feng Shui and applicable Geography	7	2	20		10	10		50	2020552	E
II.3. Supplementary Knowledge				**29**								
II.3.1. ***Professional training***				**22**								
Compulsory				**16**	**18**							
85	1090004	Academic english for land management	4	2	30					60		C
86	2020748	Application of Information Technology in Cartography	4	2	21			18		51	2020124	C
87	1080213	Application of GNSS technology in cadastral surveying	5	2	25			10		55	2020124	C
88	2020749	Practical Applications of Remote Sensing and GIS	4	2	0			60		30	2020728	C
89	1080217	Community consultation in land management	6	2	25		10			55	1080199	C
90	2020750	Critical Thinking and Teamwork Skills	6	2	25			10		55		C
91	2020751	Application of UAV technology in thematic mapping	6	2	21			18		51	2020124	C
92	2020149	Community consultation in land management	6	2	20			20		50	1080199	C
Optional **(6/14)**				**6**								
93	1080221	WebGIS Applications in Land and Environmental Management	7	2	25			10		55	2020150	E
94	2020150	Basic Programming in	4	2	20			20		50	1050240	E

No	Course Code	Course Name	Semester	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Note
					Theory	Practise	Tests					
		Land Management										
95	2020752	GIS Applications in Urban Construction Planning and Management	4	2	20			20		50	2020729	E
96	1050437	Application of Artificial Intelligence (AI) in Natural Resources and Environmental Management	7	2	21			18		51		E
97	2020753	Applications of Remote Sensing in Agriculture	7	2	20			20		50	2020728	E
98	1080215	Engineering Surveying	4	2	30					60		E
99	2020754	Digital transformation in Land administration	5	2	25		10			55		E
100	2020755	Modeling in Environmental and Resource Management	5	2	25			10		55		E
II.3.2. *Internships*				**7**								
101	2020153	Specialized Internship 1: Cadastral Technology	6	1					x			C
102	2020756	Exercise problem 2: State management of land	7	1					x			C
103	2020155	Graduation Internship	8	5					x			C
II.4. Graduation Thesis, Alternative courses				**6**								
104	2020156	Graduation thesis	8	6								C
	Alternative courses			6								
105	2020556	Land use planning in an integrated approach	8	3	40		10			85		EC
106	1080224	Geomatics application in land management	8	3	40			10		85		EC
Total				**135**								

10. TENTATIVE TEACHING PLAN

Semester 1

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
1	1130299	Philosophy of Marxism and Leninism	3	40		10			85		PTLPA	C
2	1130049	Fundamentals of Law	2	27		6			57	1130045	PTLPA	C
3	1090061	English 1	3	45					90		FLD	C
4	1010479	Mathematical statistics	2	30					60		FMS	C
5	2020626	Soil chemistry	2	24	6				60		NS	C
6	2020627	Earth scienses	2	25		10			55		NS	C
7	1050240	Basic Information	3	30			30		75		IT	C
Total:			**17**									

Semester 2

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
Compulsory			**17**									
1	1130300	Political economics of marxism and leninism	2	27		6			57		PTLPA	C
2	1090166	English 2	4	60					120	1090061	FLD	C
3	2030003	Communication Skills	2	18		4	20		48		SSH	C
4	2020628	General Cartography	2	25	5				60		NS	C
5	2020636	Basis Geodesy	3	30			30		75		NS	C
6	2020121	Basis of soil	2	25		10			55		NS	C
7	2020549	Geography of Viet Nam	2	25		10			55		NS	C
Optional **(2/6)**			**2**									
8	2020629	Cultural Geography of Vietnam	2	25		10			55		NS	E
9	1080194	Fundamentals on rational use of natural resources	2	25		10			55		NS	E
10	1130370	State administrative organization management	2	25		10			55		PTLPA	E
Tổng số:			**19**									

Semester 3

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
Compulsory			**15**									
1	1130301	Science socialism	2	27		6			57		PTLPA	C
2	2020728	Fundamentals of remote sensing	2	21			18		51		NS	C

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
3	2020729	Geographic Information System	2	21			18		51		NS	C
4	1080199	State management of land	3	40		10			85		NS	C
5	2020124	Cadastral Map	2	25		10			55		NS	C
6	2020734	Measuring data processing method	2	20	10				60		NS	C
7	2020735	Surveying, measuring topography	2	25			10		55		NS	C
Optional **(2/6)**			**2**									
8	1080279	The overall planning development of economic - social	2	25		10			55		NS	E
9	2020731	Landscape planning	2	25		10			55		NS	E
10	2020733	Natural Resource and Environmental Management	2	25		10			55		NS	E
Total:			**17**									

Semester 4

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
Compulsory			14									
1	1130302	History of Vietnamese Communist Party	2	27		6			57		PTLPA	C
2	2020553	Environmental Impact Assessement	2	20	5	10			55	2020733	NS	C
3	2020730	Scientific research methods in natural resources and environment	2	20		10	10		50		NS	C
4	2020128	Land evaluation	2	20			20		50		NS	C
5	1090004	Academic english for land management	2	30					60		NS	C
6	2020748	Application of Information Technology in Cartography	2	21			18		51	2020124	NS	C
7	2020749	Practical Applications of Remote Sensing and GIS	2	0			60		30	2020728	NS	C
Optional **(4/12)**			**4**									
8	2020732	Land Management in the Context of Climate Change	2	25		10			55		NS	E

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
9	2020740	Management of real estate brokerage and trading platforms	2	25		10			55	1080199	NS	E
10	2020741	State management of real estate business	2							1080199	NS	E
11	2020150	Basic Programming in Land Management	2	20			20		50	1050240	NS	E
12	2020752	GIS Applications in Urban Construction Planning and Management	2	20			20		50	2020729	NS	E
13	1080215	Engineering Surveying	2	30					60		NS	E
Total:			**18**									

Semester 5

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
Compulsory			**14**									
1	1130091	Ho Chi Minh thought	2	27		6			57	1130046	PTLPA	C
2	1150422	START UP	2	25		10			55		FBA	C
3	2020455	Land law	3	35		10			75	1080199	NS	C
4	2020738	Land statistics inventories and land use mapping	2	21			18		51		NS	C
5	1080202	Land price and Financial management of land	3	40		10			85	1080199	NS	C
6	1080213	Application of GNSS technology in cadastral surveying	2	25			10		55	2020124	NS	C
Optional **(4/6)**			**4**									
7	2020742	Public services on Land	2	25		10			55	1080199	NS	E
8	2020743	Basic land investigation	2	25			10		55	1080199	NS	E
9	2020754	Digital transformation in Land administration	2	25		10			55		NS	E
10	2020755	Modeling in Environmental and Resource Management	2	25			10		55		NS	E
Total:			**18**									

Semester 6

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
Compulsory			**15**									
1	1080193	Cadastral surveying practice	2	0			60		30		NS	C
2	2020737	Land Information System (LIS)	2	21			18		51		NS	C
3	2020552	Land use planning	2	25		10			55	2020738	NS	C
4	1080217	Community consultation in land management	2	25		10			55	1080199	NS	C
5	2020750	Critical Thinking and Teamwork Skills	2	25			10		55		NS	C
6	2020751	Application of UAV technology in thematic mapping	2	21			18		51	2020124	NS	C
7	2020149	Community consultation in land management	2	20			20		50	1080199	NS	C
8	2020153	Specialized Internship 1: Cadastral Technology	1					x			NS	C
Optional **(2/6)**			**2**									
9	2020744	Administrative Division Boundary Management	2	25		10			55	1080199	NS	E
10	2020745	Sustainable management and use of agricultural land	2	25		10			55	2020128	NS	E
11	1080216	Agriculture & Irrigation and water conservancy System	2	25		10			55	2020128	NS	E
Total:			**17**									

Semester 7

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
Compulsory			**14**									
1	2020736	Land and assets attached to land Registration	3	30		10	20		75	2020552 2020135	NS	C
2	2020739	Land use planning and land use plan practice	2				60		30	2020552	NS	C
3	2020555	Recompense, support, and resettlement	2	25		10			55	2020738	NS	C

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
4	2020135	Construction Planning Management	2	25		10			55	1080199	NS	C
5	2020127	Real Estate Market	2	25		10			55	1080202	NS	C
6	2020133	Practice in building land databases	2	0			60		30	2020737	NS	C
7	2020756	Exercise problem 2: State management of land	1					x			NS	C
Optional **(4/12)**			**4**									
8	2020746	Land inspection	2	25		10			55	1080199	NS	E
9	2020134	Sinh kế trong thay đổi sử dụng đất	2	25		10			55	1080194	NS	E
10	2020747	Feng Shui and applicable Geography	2	20		10	10		50	2020552	NS	E
11	1080221	WebGIS Applications in Land and Environmental Management	2	25			10		55	2020150	NS	E
12	1050437	Application of Artificial Intelligence (AI) in Natural Resources and Environmental Management	2	21			18		51		IT	E
13	2020753	Applications of Remote Sensing in Agriculture	2	20			20		50	2020728	NS	E
Total:			**18**									

Semester 8

No	Course code	Course name	Number of credits	Class duration			Experimental/ Pratical	Others	Self-study time	Prerequisite Course Code	Managing Faculty	Note
				Theory	Practise	Tests						
Compulsory			**11**									
1	2020155	Graduation Internship	5					x			NS	C
2	2020156	Graduation thesis	6								NS	C
Alternative courses												
3	2020556	Land use planning in an integrated approach	3	40		10			85		NS	EC
4	1080224	Geomatics application in land management	3	40			10		85		NS	EC

11. /GUIDELINES FOR PROGRAM IMPLEMENTATION

- The Land Management program will be applied from the 2025 enrollment period for students majoring in Land Management.

- The training process is based on the designed curriculum, training objectives, target audience, human resource requirements, and specific training requirements. For elective courses, depending on current development and social needs, the Faculty will advise students on appropriate course choices.

- The Head of the Faculty is responsible for organizing and guiding the principles for developing detailed syllabi to ensure that objectives, content, and requirements are met, while also satisfying the needs of learners and society.

- The training program will be reviewed and updated at least every two years to meet the development of the Land Management field and align with socio-economic development needs.

Gia Lai, August 01, 2025

RECTOR

Assoc. Prof. Dr. Doan Duc Tung