

DEPARTMENT OF CADASTRAL TECHNOLOGY

I. HISTORY

Faculty of Land and Real Estate Management, University of Agriculture and Forestry Ho Chi Minh City was formed from land management branch which was operated directly by School Board in 1990.

1993: became Department of Land Management in Faculty of Agronomy.

2003: became Faculty of Land and Real Estate Management accordance with decision no. 1916 dated on 16/12/2003, with 2 subjects Policy and Planning.

2007: organizational structure was changed and established 4 belonging departments including: Legal policy, Planning, Cadastral technology, Land economics.

II. PRIMARY TASK

Department of cadastral technology, which was founded in 2007, is undertaking these following tasks:

- Training human resources with specialized expertise for cadastral technology branch.
- Training knowledges related to cadastral technology for other relevant branches.
- Research, develop and transfer cadastral technology for strengthening the land management capacity of government and locality.

III. CHAIRMAN THROUGH TENURES

- From 2007 to 2012: Mr.Dang Quang Think
- From 2012 to 2021: Ms.Nguyen Ngoc Thy
- From 2021 to now: Mr.Pham Hong Son

IV. PRESENT MEMBERS

No.	Name	Position	Education	Teaching experiences	Email Address	Telephone
1	Dr.Nguyen Van Tan	Former Dean of Faculty	<i>Undergraduate:</i> Forestry <i>Graduate:</i> Remote Sensing	- Geodesy - Aerial photogrammetry - Remote sensing	nvtan@hcmuaf.edu.vn	0903545586
2	Ms.Le Ngoc Lam	Vice- Dean of Faculty	<i>Undergraduate:</i> Land Management <i>Graduate:</i> Remote Sensing	- Major informatics - Digital mapping technologies - Integration of Remote sensing and GIS	lengoclam@hcmuaf.edu.vn	0913676108
3	Ms.Nguyen Ngoc Thy	Vice- Dean of Faculty	<i>Undergraduate:</i> Land Management <i>Graduate:</i> Agricultural Systems	- Geographical Information system (GIS) - Land information system (LIS) - Cadastral material management - Land information systems analysis and design - Training job no.3 - Building LIS	nguyenngocthy@hcmuaf.edu.vn	0989101033
4	Ms.Phạm Hồng Sơn	Vice-Head of department	<i>Undergraduate:</i> Land Management <i>Graduate:</i> Soil science	- Geodesy - Cadastral surveying - Cadastral mapping	phson@hcmuaf.edu.vn	0918158381
5	Vo Thanh Hung	Lecturer	Land Management	Geographical Information system (GIS)	hung.vothanh@hcmuaf.edu.vn	0938005279

No.	Name	Position	Education	Teaching experiences	Email Address	Telephone
5	Ms.Nguyen Thi Hong Hanh	Lecturer	<i>Undergraduate:</i> Cadastral <i>Graduate:</i> Map, Remote sensing and GIS	- Cartography - Topography - Thematic map	honghanh@hcmuaf.edu.vn	0977903440
6	Thai Van Hoa	Lecturer	Geodesy	- Processing geodetic - Global Navigation Satellite System - GNSS	thaihoa@hcmuaf.edu.vn	0909666830
8	Ms.Truong Do Thuy Linh	Lecturer	<i>Undergraduate:</i> - Land Management - English Linguistics and Literature <i>Graduate:</i> Land Management	- Land information systems analysis and design - Training job no.3 - Building urban information system - Cadastral material management	thuylinhtd2103@gmail.com	0908670778
9	Dinh Quang Vinh	Lecturer Assistant	Land Management	- General Practice Surveying - Training job no.1 - Measuring and building maps	vinhcnvc@gmail.com	0908708325

V. SUBJECTS ASSIGNED

No.	Subject name	Majors			
		Cadastral Technology	Land Management	Real Estate Market Management	Cadastral and Urban Management
1	Cartography	Required	Required	Required	Required
2	Geodesy	Required	Required	Required	Required

No.	Subject name	Majors			
		Cadastral Technology	Land Management	Real Estate Market Management	Cadastral and Urban Management
3	Major informatics	Required	Required	Required	Required
4	Cadastral mapping	Required	Required	Required	Required
5	Geographical Information system (GIS)	Required	Required	Required	Required
6	Land information system (LIS)	Required	Required	Required	Required
7	Processing geodetic	Required			
8	Major programming	Required			
9	Land database management	Required	Required		
10	Cadastral surveying	Required	Required		
11	Cadastral material management	Required	Required		Required
12	Remote sensing (RS)	Required	Required		Required
13	Construction geodesy	Required	Optional		Optional
14	Training job no.1 - Measuring and building maps	Required	Required		Required
15	Training job no.2 - Building thematic maps	Required			
16	Training job no.3 - LIS application	Required			
17	Training job no.3 - Building urban information system				Required
18	Aerial photogrammetry	Required	Required		
19	Digital mapping technologies	Required	Optional		
20	WebGIS	Optional			

No.	Subject name	Majors			
		Cadastral Technology	Land Management	Real Estate Market Management	Cadastral and Urban Management
21	Thematic maps	Optional	Optional		Optional
22	Land information systems analysis and design	Optional			
23	Integration of Remote sensing and GIS	Optional	Optional		
24	Global Navigation Satellite System - GNSS	Optional	Optional		
25	Topography	Optional	Optional		

VI. JOBS OF GRADUATED STUDENT FROM CADASTRAL TECHNOLOGY MAJOR

- Representative offices of the Ministry of Natural Resources and Environment in the South of Viet Nam
- People's Committees at all levels (province, district, commune).
- Department of Natural Resources and Environment, Land Registration Office...
- Department of Construction, Department of Planning and Architecture, Department of Project Management,...
- Office of Natural Resources and Environment, Office of Urban Management, Land Fund Development Center, Office of Project Management,...
- Companies and enterprises which operate in the fields of land management and real estate market, surveying, land database and mapping technology.
- Universities and research institutes which operate in relevant fields in Viet Nam and abroad.

VII. FUTURE RESEARCHES

- Applying major softwares and modern technology (surveying, GPS...) in land management (such as: mapping, statistic, cadastral material management...)

- Continue to promote the scientific research on land management, remote sensing, geodesy, surveying, mapping, GNSS, and GIS.
- Researched GIS, RS for land use planning, land suitability analysis, land evaluation, present land use
- Research on analyzing and building land/housing database
- Building land value database and setting land value maps
- Research the present housing information in management of urban, construction and cadastre
- Research the present map database in land management
- Research on consolidating LIS and building models of electronic land registration
- Building support tools for real estate marketing (web, software, ...)
- Continue to research on Object-Oriented Programming, Design and develop website (Html, Openlayer, Angular.js, Note.js, jquery)
- Impact of climate change on land use process
- Land use/ land cover change modeling on climate change condition
- Approach new technology in the field of generalizing automatic map, updating the database of land map, special subject combining with GIS
- Approach new technology in the field of cadastre, global positioning system (GPS) to define coordinate grid, cadastral height in order to build and finish, normalize cadastral database system
- Approach, correct, update the database of topography, thematic maps and GIS combining with using technology of remote sensing and satellite photograph in high definition