# UNIVERSITY CURRICULUM

Name of program: LAND MANAGEMENTLevel:UNDERGRADUATEMajor: LAND MANAGEMENTMajor Code: 7850103Type of training: Full time

#### 1. Objective and Outcome standards:

**1.1. Objectives:** Training Land Management engineers who have polictical qualities and good morality, knowledge and capacities to commensurate with the undergraduate level; have the health to meet the requirements of the the industrialization and modernization of the country; to build Vietnam for the goal of rich people, strong country, fair, democratic and civilized society.

#### **1.2. Outcome standards**

#### 1.2.1. Knowledge

+ Having the basic knowledge about national military and people's security, the Party's opinion and the State's policies on national military and security ; traditional anti-aggression of the nation, people's Armed Forces and Military Art of Vietnam; building the entire people's military, the people's security and the people's armed forces; having basic knowledge of civil defense, military skills; Ready to implement military duty to defend the country.

+ Understanding, analyzing and evaluating the scientific knowledge system about : the basic principles of Marxism-Leninism ; Ho Chi Minh Ideology; guidelines of the Party and laws of the State; applying these scientific knowledge into the real life.

+ Understanding and applying the knowledge in natural sciences such as Mathematics, Physics, Chemistry, Social Sciences and Humanities to solve the issues related to land use and land management.

+ Applying the knowledge in geodesy, cartography, remote sensing and GIS to establish the thematic maps, build land database in land use and land management, for developing new knowledge, studying at a higher level.

+ Applying the knowledge in pedology, Hydrology in Water Resources, Sloping land and soil erosion and land evaluation to allocate land use for agricultural production for each territory.

+ Applying knowledge in cartography, land evaluation, land information system, orientation for economic, social, environment and urban development to establish land use planning, rural development, selection of investment projects and effective management of land resources.

+ Analyzing, evaluating and applying the knowledge in land management to solve the issues of land registration and statistics, land allocation and reclaime, real estate market, land evaluation in the reality of socio-economic development.

+ Applying the knowledge in land law, economic management, land economics and environment to solve the issues of land use and management.

### 1.2.2. Skills

+ Proficiency in techniques, geodesic type, softwares and technologies in land management (GPS, photogrammetry – remote sensing) to measure, build land information system, establish Cadastral Map and types of thematic maps for land use and management.

+ Evaluating the potentials, land use efficiencies and establishing land use plans, Relevant branch plannings for land management and socio-economic development requirements;

+ Establishing land registration system, granting certificates for the land use right, building land value, real estate for land management.

+ Taking initiative in developing and proposing solutions for new issues related to cartographical measure, land use planning, land administration.

+ Applying the knowledge in land law, Cadastral Map and land use planning for solving disputes, complaints related to land in accordance to the law.

+ Analyzing, synthesizing and evaluating land database for the utilization in land use planning and management.

+ Combination of the profesional knowledge for proposing plans and solving the real issues: land management, mapping measure, land use planning at different level.

+ Understanding and applying the basic knowledge of information technology, the issues of working safety, environmental protection in utilizing information technology and media, and some basic issues related to the law in utilizing information technology; proficiency in using computer and some basic softwares like Word, Excel, Powerpoint; proficiency in using GIS, LIS for map, land database for land use and management.

+ The minimum English level that students need to get is TOIC 400 and the equivalent. Students can understand simple conversations; understand main ideas in the social life. Students can take simple dialogues; express limited opinions on the cultural, social and deal with some common profesional situations. Students can read and understand the popular documents related to the familiar cultural and social issues in English; exchange the profesional knowledge in land management, water resources, soil science and fertilizers.

#### 1.2.3. Capacity of self control and responsibility

+ Believing in Marxism and Lennism, Ho Chi Minh Ideology, at the same time, doing well the citizen's duties toward the Party's line and the State's law.

+ Good adaptation to political, security and socio-economic situation in and outside the country.

+ Undating and synthesizing knowledge and information related to the political – social, policies, State's law of land use and management, technologies and techniques in measuring for developing and proposing solutions for the good implementation in land use and management.

+ Understanding and agreeing with the social context, surroundings and organizations that impact on land use and management.

+ Having coherent thinkking, giving solutions for new problems in mapping measure, lans use planning, land administration.

+ Synthesizing and giving conclusions in the process of implementing land administration and the efficiency in land use.

+ Guiding the implementation of professional tasks related to land use planning at different levels and related sector planning.

+ Proposing new solutions in the process of implementing professional tasks in land management, at the same time, propagating well land policies and land law.

+ Building plans, implementing tasks, inspecting, monitoring the process, dealing with disputes and conflicts in the agencies.

+ Having independent thinking, interacting, managing, leading other individuals to carry out activities in land use and management.

+ Arranging, managing the personal time reasonable; working independently; having the ability to present in public; inspiring the listeners.

+ Loving the job, Be honest in reporting to colleagues and superiors; having responsibility for the tasks; strictly implementing the legal policies of the Party and the State.

+ Be aware of and respecting the opinions of others, assisting each other; interacting to build consensus in the groups.

+ Self-studying, accumulation of experience to improve the degree in land use and management.

# 1.2.4. Career orientation of the students after graduation

Students after graduating from the Land Management can take the possition in specialists and leaders in:

+ Ministry of Natural Resources and Environment, Ministry of Agriculture and Rural Development, Ministry of Sciences and Technologies, Ministry of Finance.

+ General Department of Land Management, Research Institute of Land Management, Institute of mearuring sciences and cartography, Institute of Planning and Agricultural design, Institute of Soils and Fertilizers, Association of Geodesy and Map Vietnam, Association of Soil Sciences, Vietnam Institute of Urban and Rural Planning, etc.

+ Departments of Natural Resources and Environment, Departments of Agriculture and Rural Development, Departments of Construction, Departments of Finance.

+ Natural Resources and Environment Offices, Urban Management Offices in the urban districts, Finance Offices in the rural districts and towns.

+ Officers of Land Administration - Construction, construction inspector in communes, wards and townships.

+ General company of Natural Resources and Environment, companies of measuring and map establishment.

+ Concultant centers of land use planning, constructional planning.

+ Centers of land value, real estate brokerage, real estate trading floor.

+ Lecturers in Land Management, Cadastral in the universities, colleges, intermediate schools.

# 1.2.5. Orientation to improve degrees after graduation

Students after graduating from the Land Management can be continuous to improve degrees in the following majors and specializations:

+ Master degree in Land Management;

+ Master degree Natural Resources and Management;

+ Master degree in Geodesy - Cartography, Cartography - Remote Sensing and GIS,

+ Doctor degree in Land Management;

+ Doctor degree in Natural Resources and Management;

+ Doctor degree in Geodesy - Cartography, Cartography - Remote Sensing and GIS,

# UNIVERSITY CURRICULUM

Name of program: LAND MANAGEMENT

Level: UNDERGRADUATE

**Major: LAND MANAGEMENT** 

**Major Code:** 7850103

Type of training: Full time

# **Objective and Outcome standards:**

**Objectives:** Training Land Management engineers who have polictical qualities and good morality, knowledge and capacities to commensurate with the undergraduate level; have the health to meet the requirements of the the industrialization and modernization of the country; to build Vietnam for the goal of rich people, strong country, fair, democratic and civilized society.

### Training period: 4 years

Total volume of knowledge: 129 credits (Exception of physical education and military education)

### **Candidates:**

Pupils who graduated high schools or supplement high school, passed the entrance examination by the Ministry of Education and Training

### Training process, conditions for graduation:

According to the decision No 2397QD-HVN, 13rd of August 2015 about Regulations for teaching and studying full time undergraduate under the credit system of the Director of Vietnam National University of Agriculture.

Grading system: 10 then converts to 4

Contents (names and volumes of courses)

|                          | Code    | Vietnamese<br>name | English name                                  | Number of Credits |            |              |                    |                |               |               |
|--------------------------|---------|--------------------|---|-------------------|------------|--------------|--------------------|----------------|---------------|---------------|
| N<br>0                   |         |                    |   | Total             | Theor<br>y | Practi<br>ce | Previous<br>Course | Comp<br>ulsory | Selec<br>tive | Knowl<br>edge |
| TOTAL GENERAL<br>COURSES |         |                    | 39  |                   |            |              | 35                 | 4              |               |               |
|                          |         | Mác +Ngoại<br>ngữ  | Maxism –<br>Lennism +<br>Foreign<br>Languages | 16                |            |              |                    |                |               | General       |
| 1                        | TH01011 | Toán cao cấp       | Higher<br>mathematics                         | 3                 | 3          | 0            |                    | x              |               | General       |
| 2                        | TH01018 | Vật lý             | Physics                                       | 2                 | 2          | 0            |                    | X              |               |               |

| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $  |    | MT0100   | Hóa học đại                   | Basic                     |   | 1.5 | 0.5 |             |    |   |       |
|--|----|----------|-------------------------------|---------------------------|---|-----|-----|-------------|----|---|-------|
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $  | 3  | 1        |                               | ~                         | 2 | 1.5 | 0.5 |             | Х  |   |       |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $  | 4  | KT02003  | ,0                            |                           | 3 | 3   | 0   |             | х  |   |       |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$  | 5  |          | 1                             |                           | 2 | 2   | 0   |             | x  |   |       |
| 7 $0102026$<br>N10309Tråc dig 1<br>Tråc dig 1 $Geodesy I$<br>$s$ 2<br>$1$<br>$s$ Higher<br>mathematic<br>$s$ $x$ 80ban<br>transition21.50.5 $x$ 9SN01016cross<br>events $2$ 0 $x$ 1Tän ly hoe dat<br>eventsBasic<br>events20 $x$ 9SN01016time<br>transition $algebra$ 30 $x$ 10Hoi obs duyén<br>utimeLinear<br>algebra30 $x$ 11Hoi obs duyén<br>utime $algebra$ 30 $x$ 12QL01013Ban dò dia lý<br>map $map$ 21.50.5 $x$ 13QL02027Trác dia 2Geodesy221.50.5 $x$ 14QL02020Viễn thâm<br>sensingRemote<br>sensing21.50.5 $x$ 15QL02020Trác dia 2Geodesy221.50.5 $x$ 14QL02027Trác dia 2Geodesy221.50.5 $x$ 15QL02020Trác hahm<br>finformation $2$ 0 $x$ $x$ 16QL02017Bàn dò hocCartography<br>Cartography21.50.5 $x$ 18QL02009Thôn hahràg<br>find in lýGeographic<br>repricies1Geographic<br>hoformation<br>System $x$ 19QL02009Chahràg<br>holing tin<br>kinhog tháng tiến<br>runtoc $x$ Management<br>Resources $x$ 21 <t< td=""><td></td><td></td><td>Thổ nhưỡng đại</td><td>General</td><td></td><td>1.5</td><td>0.5</td><td></td><td></td><td></td><td></td></t<> |    |          | Thổ nhưỡng đại                | General                   |   | 1.5 | 0.5 |             |    |   |       |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $  | 6  | QL02008  | -                             | Pedology                  | 2 | 1.5 | 0.5 |             | X  |   |       |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$  | 7  | OL02026  | Trắc địa 1                    | Geodesy 1                 | 3 | 2   | 1   |             | x  |   |       |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$  |    | NH0309   | -                             |                           |   | 1.5 |     |             |    |   |       |
| 9     SN01016     cureng<br>LD     psychocology<br>Linear<br>algebra     2      x       10     Th01006     tinh<br>tinh     algebra     3     3     0     x       111     Th101006     tinh     algebra     3     3     0     x       111     TH01006     tinh     algebra     3     3     0     x       111     TH01009     curong     Insistes of<br>Geographical     2     1     1     x       112     QL01013     Bán dò dia lý     map     2     1.5     0.5     x       TOTAL BASED MAJOR     Courses     2     1.5     0.5     x     x       14     QL02027     Trâc dia 2     Geodesy2     2     1.5     0.5     x     x       15     QL02017     Bán dò học     Cartography     2     1.5     0.5     x     x       16     QL02017     Bán dò học     Cartographic     1     Information     System     x       17     QL02019 <td></td> <td></td> <td></td> <td>Basic</td> <td></td> <td>2</td> <td>0</td> <td></td> <td>X</td> <td></td> <td>-</td>   |    |          |                               | Basic                     |   | 2   | 0   |             | X  |   | -     |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $  | 9  | SN01016  |                               |                           | 2 | 2   | 0   |             |    | X | -     |
| 11   TH01009   corrog   Informatics   2   1   1   x   x     12   QL01013   Bán dð dja lý   map   2   1.5   0.5   x   x     TOTAL BASED MAJOR   24   -   -   22   2   2   2     13   QL02027   Tråc dja 2   Geodesy2   2   1.5   0.5   Geodesy1   x   -     14   QL02029   Viễn thám   Remote   2   1.5   0.5   x   -     15   QL02023   địa   Practics   2   0   2   Geodesy:   -   0   2   Geodesy1   x   -     16   QL02019   Bán đó học   Cartography   2   1.5   0.5   x   -   -     18   QL02020   Bán đó học   Cartographical floring   0   1   Geographical floring   -   | 10 | TH01006  | tính                          | algebra                   | 3 | 3   | 0   |             |    | x | -     |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $  | 11 | TH01009  |                               | Informatics               | 2 | 1   | 1   |             |    | x |       |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$  | 12 | OL01013  | Bản đồ địa lý                 | · ·                       | 2 | 1.5 | 0.5 |             |    | x |       |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $  | ТО | TAL BASE |                               |                           |   |     |     |             | 22 |   |       |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $   |    |          | Trắc đia 2                    | Geodesv2                  |   | 1.5 | 0.5 | Geodesv 1   |    | 2 |       |
| 14QL02029Nemsing<br>reactics2NXX15QL02023djaFlagGeodesy:<br>Practics202Geodesy:<br>XX16QL02017Ban dò họcCartography<br>In dja lý21.50.5XX17QL02019Ban dò họcGeographic<br>Information<br>System (GIS)20XX18QL02020Cartographic<br>Information<br>Joint dia lýInformation<br>System20XX18QL02020chuýen khoaGeographic<br>Practice1Geographic<br>Information<br>SystemGeographic<br>Information<br>SystemGeographic<br>Information<br>   |    |          |                               | Remote                    |   |     |     | 5           |    |   | -     |
| 15QL02023dia<br>diaPractics21xx16QL02017Bân dò họcCartography21.50.5x17QL02019thể tống thông<br>tín địa lýGeographic<br>system (GIS)20x18QL02020dia lýPractice1Geographic<br>Information<br>System0118QL02020dia lýPractice1Geographic<br>Information<br>System0118QL02020chuyên khoaPedology21.50.5General<br>Pedologyx20QL03014Dánh giá dấtEvaluation220Pedologyx21QL01014Dánh giá dấtWater<br>Resources<br>Rich tố sã hội30xNa21QL01012Quá lý nguồn<br>Rich tống<br>kinh tố sã hộiMaster<br>Planning30x22QL03039Quá hog chíng<br>thể piát triển<br>Mangement21.50.5x23MT0201<br>Quán lý môiEnvironmental<br>management20x24QL01012Bản dồ dã hình<br>MapMap21.50.5x25QL01017<br>nướcThủy văn nguồn<br>Resources21.50.5x25SLuật dất daiLand Law220x25SLuật dất daiLand Law220x25SLuật dất daiLand Law22   | 14 | QL02029  |                               |                           | 2 |     |     | Castern 1   | Х  |   | -     |
| 10Quoti1010101010101010101017QL02019thi dia lý $Geographic Information System (GIS)20xxxx18QL02020dia lýPractice1Information System x1Information System xxx19QL02009chuyên khoaSpecialized01Information System xxxx20QL03014Dánh giá dấtEvaluation20SpecializedPedology xXBased20QL03014Dánh giá dấtEvaluation20Pedology xXMajor21QL01014nướcResourcesResourcesXXXX21QL01014nướcMasterResourcesXXXX231trườngMasterZ0XXX24QL01012Bản đồ dịa hìnhMap21.50.5Geodesy 1X25QL01017nướcResources21.50.5XXX25QL01017nướcResources21.50.5XXX25QL01017nướcResources21.50.5XXX25QL01017nướcResources21.50.5XX26$   |    |          | •                             |                           |   |     |     | Geodesy 1   | Х  |   | -     |
| 17QL02019Interinding<br>tin dia lýInformation<br>System (GIS)20x18QL02020dia lý $GeographicInformationSystem01InformationInformationSystem01InformationInformationSystem01BeographicInformationSystem118QL02020dia lýPractice101InformationInformationSystemx119QL02009chuyên khoaSpecializedPedology21.50.5GeneralPedologyxBased20QL03014Dánh giá dấtLandEvaluation220Pedologyx121QL01014nướcManagement21.50.5x122QU 90Nghi hộtthế phát triểnkinh tế xã hộtMasterPlanning30x231trườngmanagement220x24QL01012Bản dồ dịa hìnhHydrology inWaterResources21.50.5Geodesy 1x25QL01017nướcResources21.50.5yy25QL01017nướcResources21.50.5yy25Luật đất daiLand Law220xy25Luật đất daiLand Law220xy264chuyên ngànhManagement220y$  | 16 | QL02017  |                               | ÷                         | 2 | 1.5 | 0.5 |             | Х  |   | -     |
| Internation<br>thing thông thồng thồng thồng<br>dịa lýInformation<br>System<br>Practice01Geographic<br>Information<br>System<br>SystemBased19QL02009Chuyên khoaSpecialized<br>Pedology21.50.5General<br>PedologyXBased20QL03014Đánh giá đấtEvaluation220PedologyXMajor21QL01014nướcManagement21.50.5XN21QL03039thể phát triển<br>kinh tế xã hộiMaster<br>Planning30XN21QL01014nướcManagement21.50.5XN21QL01012Quán lý mguồn<br>kinh tế xã hộiMaster<br>Planning30XN22QL03039thế phát triển<br>kinh tế xã hộiMaster<br>Planning30XN231trưởng<br>management21.50.5Geodesy lX24QL01012Bân đồ địa hình<br>mayênMaper<br>Resources21.50.5XX25QL01017nướcResources21.50.5XXX25SN0305Tiếng anh<br>LandLand Law220XX264chuyên ngành<br>ManagementLand Law220XMajor264chuyên ngành<br>ManagementApplied211Geodesy lMajor  | 17 | QL02019  |                               | Information               | 2 | 2   | 0   |             | х  |   |       |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 18 | OL02020  | thống thông tin               | Information<br>System     | 1 | 0   | 1   | Information | x  |   |       |
| 20 $QL03014$ $Danh$ giá dất $Land$<br>$Evaluation$ $2$ $2$ $0$ $Specialized$<br>Pedology $x$ Major $21$ $QL01014$ $Danh$ giá dất $Evaluation$ $2$ $2$ $0$ $Pedology$ $x$ $21$ $QL01014$ $nuớc$ $Maaagement$ $2$ $1.5$ $0.5$ $x$ $21$ $QL03039$ $thể phát triểnkinh tế xã hộiMasterPlanning30x22QL03039thể phát triểnkinh tế xã hộiMasterPlanning30x231trườngEnvironmentalmanagement220x24QL01012Ban đồ địa hìnhMapMap21.50.5Geodesy 1x25QL01017nuớcResources21.50.5rxrxTOTAL MAJOR COURSES66597rxrxrx25SN0305Tiếng anhLand220xrx264chuyển ngànhLand220xrx$   |    |          |                               | Specialized               |   | 1.5 | 0.5 |             |    |   |       |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$   |    |          |                               | Land                      |   |     |     | Specialized |    |   | Major |
| QL03039Quy hoạch tổng<br>thể phát triển<br>kinh tế xã hộiMaster<br>Planning330x22MT0201<br>23Quản lý môi<br>trườngEnvironmental<br>management220x24QL01012Bản đồ địa hình<br>MapMap21.50.5Geodesy 1x24QL01012Bản đồ địa hình<br>MapMap21.50.5Geodesy 1x25QL01017Thủy văn nguồn<br>nướcHydrology in<br>Water<br>ResourcesPhysicsx25QL01017Luật đất đaiLand Law220x25SN0305Tiếng anh<br>chuyên ngànhEnglish for<br>Land220x264Tin học ứng<br>chuyên ngànhApplied211Geodesy 1Major  |    |          |                               | Resources                 |   |     |     |             |    |   |       |
| QL03039thể phát triển<br>kinh tế xã hộiMaster<br>Planning30x22QL03039thể phát triển<br>kinh tế xã hộiEnvironmental<br>management0x231trườngEnvironmental<br>management220x24QL01012Bản đồ địa hìnhMap21.50.5Geodesy 1x24QL01012Bản đồ địa hìnhMap21.50.5Geodesy 1x24QL01012Bản đồ địa hìnhMap21.50.5Geodesy 1x25QL01017nướcResources21.50.5Yx25SLuật dất đaiLand Law220xx25SLuật dất đaiLand Law220xMajor264Tiếng anh<br>chuyên ngànhEnglish for<br>Management220xMajor  | 21 | QL01014  |                               |                           | 2 | 1.5 | 0.5 |             | Х  |   |       |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $   | 22 | QL03039  | thể phát triển                |                           | 3 | 3   | 0   |             | X  |   |       |
| 24QL01012Bản đồ địa hìnhTopographical<br>Map21.50.5Geodesy 1x25QL01017Thủy văn nguồn<br>nướcHydrology in<br>Water<br>ResourcesPhysicsx25QL01017IntrócResources21.50.5YTOTAL MAJOR COURSES6659725ML0302<br>5Luật đất đaiLand Law220x $x$ English for<br>Land220xNajor264Chuyên ngànhManagement220English 2xTin học ứng<br>LApplied211Geodesy 1Major   |    |          | Quản lý môi                   |                           |   | 2.  |     |             |    |   | 1     |
| 24QL01012Ban do dia nininMap21.50.5 $x$ 1Thủy văn nguồn<br>nướcHydrology in<br>Water<br>ResourcesPhysics $x$ 25QL01017nướcResources21.50.5 $x$ TOTAL MAJOR COURSES66597255Luật đất đaiLand Law220 $x$ SN0305Tiếng anh<br>chuyên ngànhLand220 $x$ Major264Chuyên ngànhManagement2211Geodesy 1   |    |          |                               | Topographical             |   |     |     | Geodesy 1   | ~  |   |       |
| 25QL01017nướcResources21.50.5xTOTAL MAJOR COURSES66597 $25$ $5$ Luật đất đaiLand Law220x $25$ $5$ Luật đất đaiLand Law220x $26$ $4$ chuyên ngànhManagement220Major $26$ $4$ Tin học ứngApplied211Geodesy 1   | 24 | QL01012  |                               | Hydrology in              | 2 | 1.5 | 0.5 | -           |    | X | -     |
| TOTAL MAJOR COURSES66597255Luật đất đaiLand Law220x255Luật đất đaiLand Law220x55Luật đất đaiLand Law220x666666666597255Luật đất đaiLand Law220x55Luật đất đaiLand220x264chuyên ngànhManagementEnglish 2xMajor1Tin học ứngApplied211Geodesy 1   | 25 | QL01017  |                               |                           | 2 | 1.5 | 0.5 | Physics     |    | x |       |
| 25 5 Luật đất đai Land Law 2 2 0 x   SN0305 Tiếng anh<br>chuyên ngành English for<br>Land 2 2 0 x   26 4 Chuyên ngành Management 2 2 0 English 2 x   Tin học ứng Applied 2 1 1 Geodesy 1   |    | TAL MAJO | 1                             | -                         |   |     |     |             | 59 |   |       |
| SN0305Tiếng anh<br>chuyên ngànhEnglish for<br>Land220Major264Chuyên ngànhManagement220English 2xTin học ứngApplied211Geodesy 1   | 25 |          | Luật đất đai                  | Land Law                  | 2 | 2   | 0   |             | X  |   |       |
| 26 4 chuyên ngành Management English 2 x   Tin học ứng Applied 2 1 1 Geodesy 1   |    |          |                               |                           | 2 | 2   | 0   |             |    |   | Main  |
|  | 26 |          | chuyên ngành                  | Management                | 2 | 2   | 0   | English 2   | X  |   | Major |
|  | 27 | QL03053  | Tin học ứng<br>dụng vẽ bản đồ | Applied<br>informatics in | 2 | 1   | 1   | Geodesy 1   | Х  |   |       |

|    |             | ]   | mapping                                       |   |     |     |   |   |   |
|----|-------------|---|---|---|-----|-----|---|---|---|
| 28 | QL03052     | Hệ thống thông<br>tin đất đai                   | Land<br>Information<br>System (LIS)           | 3 | 2   | 1   | Geographic<br>Information<br>System                 | X |   |
| 29 | QL02024     | Trắc địa ảnh                                    | Photogrammet<br>ry                            | 2 | 1.5 | 0.5 | Geodesy 1   | х |   |
| 30 | QL02016     | Bản đồ địa<br>chính                             | Cadastral<br>Map                              | 2 | 1.5 | 0.5 |   | Х |   |
| 31 | QL03037     | Quy hoạch sử<br>dụng đất                        | Land Use<br>Planning                          | 3 | 3   | 0   |   | х |   |
| 32 | QL03038     | Thực hành lập<br>đồ án quy hoạch<br>sử dụng đất | Project of<br>Land Use<br>Planning            | 2 | 0   | 2   | Land Use<br>Planning                                | Х |   |
| 33 | QL03028     | Quản lý nhà<br>nước về đất đai                  | Land<br>Administration                        | 2 | 2   | 0   | Land Law  | X |   |
| 34 | QL03025     | Đăng ký thống<br>kê đất đai                     | Land<br>registration<br>and statistics        | 3 | 2   | 1   | Land<br>Administrat<br>ion                          | X |   |
| 35 | QL03035     | Quy hoạch phát<br>triển nông thôn               | Rural<br>Development<br>Planning              | 2 | 1.5 | 0.5 |   | х |   |
| 36 | QL03033     | Quy hoạch đô<br>thị và khu dân<br>cư nông thôn  | Urban and<br>rural<br>residentail<br>Planning | 3 | 2   | 1   |   | X |   |
| 37 | QL03026     | Định giá đất                                    | Land<br>Valuation                             | 3 | 2   | 1   |   | х |   |
| 38 | QL03029     | Thanh tra đất                                   | Land<br>Inspection                            | 2 | 1.5 | 0.5 | Land<br>Administrat<br>ion                          | х |   |
| 39 | QL03041     | Thị trường bất<br>động sản                      | Real Estate<br>market                         | 2 | 2   | 0   | Land<br>Valuation                                   | х |   |
| 40 | QL03034     | Quy hoạch môi<br>trường                         | Environmental<br>Planning                     | 2 | 2   | 0   |   | x |   |
| 41 | QL03024     | Bồi thường giải phóng mặt bằng                  | Land<br>Compensation                          | 2 | 2   | 0   | Land<br>Valuation                                   | Х |   |
| 42 | KT03012     | Kinh tế đất                                     | Land<br>Economics                             | 2 | 2   | 0   |   | х |   |
| 43 | QL02022     | Cơ sở dữ liệu<br>đất đai                        | Land<br>DataBase                              | 2 | 1.5 | 0.5 |   | Х |   |
| 44 | QL03027     | Giao đất và thu<br>hồi đất                      | Land<br>Allocation and<br>Reclaime            | 2 | 1.5 | 0.5 | Land Law  | X |   |
| 45 | QL0400<br>2 | Thực tập giáo<br>trình                          | Fieldtrips                                    | 4 | 0   | 4   | Land<br>Administrat<br>ion, Land<br>Use<br>Planning | x |   |
| 46 | QL02021     | Hệ thống định<br>vị toàn cầu                    | Global<br>Positioning<br>System               | 2 | 1   | 1   | Geodesy 1   |   | x |
| 47 | QL03077     | Quản lý sàn<br>giao dịch bất<br>động sản        | Real Estate<br>Trade Center<br>Management     | 2 | 2   | 0   | Land<br>Valuation                                   |   | X |
| 48 | QL03050     | Tham vấn cộng<br>đồng trong quản<br>lý đất đai  | Community<br>based land<br>management         | 2 | 2   | 0   |   |   | X |
| 49 | QL03040     | Quy hoạch vùng                                  | Regional<br>Planning                          | 3 | 2   | 0   |   |   | X |
| 50 | QL03042     | Phương pháp<br>lập dự án đầu tư                 | Investment<br>project design<br>methods       | 2 | 2   | 0   |   |   | х |

| 51 | QL03015     | Đất dốc và xói<br>mòn                        | Sloping land<br>and soil<br>erosion             | 2  | 2   | 0   |                                     |   | X |       |
|----|-------------|--|---|----|-----|-----|-------------------------------------|---|---|-------|
| 52 | QL03036     | Quy hoạch sản<br>xuất nông<br>nghiệp         | Agricultural<br>planning                        | 2  | 1.5 | 0.5 |                                     |   | x |       |
| 53 | QL0499<br>8 | Khóa luận tốt<br>nghiệp                      | Thesis  | 10 |     |     | Fieldtrips                          | Х |   |       |
| RE | PLACING '   | THESIS                                       |   | 10 |     |     |                                     |   |   |       |
| 54 | QL03031     | Phương pháp dự<br>báo trong quy<br>hoạch đất | Forecasting<br>methods in<br>land<br>uselanning | 2  | 2   | 0   | Land Use<br>Planning                |   | x |       |
| 55 | QL03046     | Hệ thống thông<br>tin BĐS                    | Real Estate<br>Information<br>system            | 2  | 2   | 0   | Geographic<br>Information<br>System |   | X | Major |
| 56 | QL03032     | Quy hoạch cảnh<br>quan                       | Landscape<br>planning                           | 2  | 2   | 0   |                                     |   | х | -     |
| 57 | QL02025     | Đo đạc địa<br>chính                          | Topographical<br>meaure                         | 2  | 1.5 | 0.5 | Geodesy 1                           |   | х |       |
| 58 | QL03030     | Thuế bất động<br>sản                         | Real Estate<br>Tax                              | 2  | 1.5 | 0.5 |                                     |   | х |       |