Landscape Architecture Discipline Construction Based on Rural Landscape Planning—Take Beijing University of Agriculture of Landscape Architecture Discipline Construction as an Example

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ABSTRACT

With the establishment and development of the first-level disciplines of landscape architecture in recent years, it is undoubtedly a new starting point, a new journey and a new challenge for the education of landscape architecture. Beijing University of Agricultural has play the advantages and characteristics of agricultural colleges and universities, with the traditional landscape theory as the core, highlighting the characteristics of rural landscape planning and design, use the rural landscape and recreation planning design as a research direction of Landscape architecture discipline, and gradually explore the path suitable for the development of agricultural colleges and universities.

KEYWORDS

Landscape architecture, discipline, agricultural college, rural landscape.

INTRODUCTION

In the State Department Academic Degrees Committee, the Ministry of Education released the 2011 "Degree Granting and Talent Training Discipline Catalog (2011)" and the 2012 "General Colleges and Universities undergraduate professional directory (2012)", the "Landscape Architecture" officially listed as One of the 110 first-level disciplines, listed in Engineering, subject number 0834, can be awarded engineering, agricultural degree. Landscape architecture formally became a first-level discipline, and architectural, urban and rural planning as a parallel development of disciplines together, ending its previous subsidiary in the discipline under the architecture of the development which is often marginalized. It is marking the landscape industry from the national level has been fully valued and recognized. The landscape architecture discipline of education is undoubtedly a new starting point, a new journey, but also a new challenge.
LANDSCAPE ARCHITECTURE DISCIPLINE DEVELOPMENT CHARACTERISTICS

A young discipline

For a long time in our country, landscape architecture planning and design are listed as a research direction under the discipline of architecture and become part of the second-level subjects of urban planning and design. Their research direction and level are often marginalized and lower Level. In 2011, the Ministry of Education established the landscape garden as a first-level discipline, giving the landscape a new development path, which indicates that the landscape architecture industry has received full attention and recognition from the national level. The development of this young first-level discipline has moved towards a bright future.

Discipline covers a wide range

The current landscape architecture discipline can generally cover six core research directions, namely: 1) History and Theory of Landscape Architecture; 2) Landscape Design; 3) Landscape Planning and Ecological Restoration; 4) Landscape Conservation; 5) Plants and Planting; 6) Landscape Technology. These directions cover the main research content of Landscape Architecture discipline, which makes the content of the discipline more extensive, more specific and the direction of subject development clearer. However, at the same time, colleges and universities also set distinctive research directions on the basis of their own situation.

BACKGROUND AND CONSIDERATION OF LANDSCAPE ARCHITECTURE DISCIPLINE IN AGRICULTURE AND FORESTRY COLLEGES

School level: concise direction, highlighting characteristics

Beijing University of Agriculture of Landscape Architecture first-level Discipline of landscape master's degree authorization was approved in 2011, and formal enrollment in 2012; the original garden subject of undergraduate (landscape architecture orientation) was approved formally became the landscape architecture subject in 2014, and began enrollment in 2015. It has formed a complete undergraduate and master graduate landscape architecture education system.

From the school level, Beijing University of Agricultural shoulders the task of training agriculture and forestry professionals in Beijing and the whole country. It has gradually formed the characteristics of urban modern agriculture and forestry personnel training. The construction of landscape architecture should fully embody the characteristics of running a school and make new positioning. From the faculty level, how to highlight the characteristics of running a school? How to highlight the disciplinary features of landscape architecture? Both are problems to be solved urgently. In the thinking and practice, the subject development proposed the rural landscape and recreation planning and design of new ideas, the rural landscape and recreation planning and design was regarded as a development direction of the subject in 2011. It is similar to the domestic institutions of innovation.
Social Needs: The Needs of Regional Social Development in the New Situation

With the gradual acceleration of urbanization in our country, a series of measures such as ecological civilization construction, new urbanization construction and beautiful rural construction are introduced. At the same time, it is suitable for the integration of capital cities in the world and the integration of urban and rural economic and social development, a group of high-quality applied talents can better meet the needs of the new rural construction and urban modern agriculture in the capital city, and also provide new ideas and opportunities for the rural landscape development of this discipline.

Industry level: Rural landscape is an important part of landscape architecture

From an industrial perspective, the rural landscape is an important component of the living environment, but also the main body to build the regional environment and the land environment. Rural landscape is the most important task of landscape architecture to adapt to the urban-rural integration and the urban-rural ecological environment under the new situation.

EXPLORATION ON THE CONSTRUCTION OF LANDSCAPE ARCHITECTURE DISCIPLINE CHARACTERIZED BY RURAL LANDSCAPE PLANNING

Positioning and goals

In close connection with the regional economic development in Beijing Municipality and Beijing-Tianjin-Hebei Region, we should protect the ecological environment, improve the living environment and promote the harmonious development between human and nature around the actual needs of urban and rural construction and development. Focus on a variety of scales in urban and rural landscape planning and design, rural landscape and recreation planning, urban and rural green space and forest construction, as well as the application of landscape plants and so on. It will provide theory, method, technology and demonstration for the construction of urban and rural eco-environment in Beijing and beautiful rural construction.

Advantages and characteristics

Beijing University of Agricultural is a modern urban and modern agriculture and forestry college with distinctive features and multidisciplinary integration. The discipline closely integrated urban and rural areas and the construction of beautiful countryside, ad hoc rural landscape and recreation planning and design as a research direction. Training engaged in landscape architecture aspects of the high-level personnel to meet the needs of society and promote regional economic development is the subject of social responsibility. The school's positioning of running a school and the huge demand of Beijing's ecological environment construction and the coordinated development and construction of Beijing-Tianjin-Hebei Province have provided vast space and development advantages for the development of this discipline.
Undergraduate talent training

The major of landscape architecture of Beijing University of Agricultural According to the training requirements of urban modern agriculture and forestry talents, it forms an innovative training system of application-oriented talents with rural landscape as the dominant characteristic and multidisciplinary integration, focusing on cultivating landscape planning and design with practical ability, synergistic ability and innovative ability Talent.

According to the training objective, the course system should be set up rationally. The main courses include not only the landscape architecture design, the Landscape Engineering, the architecture design, the urban green space system planning and the core curriculum of computer aided design, but also the landscape planning and recreation and recreation planning for the rural areas, as well as a variety of botany courses, such as Garden flowers, garden trees, landscape plant design, landscape ecology, garden trees planting and maintenance courses to strengthen the professional overall quality and urban and rural planning and design personnel training.

In practice teaching, through the implementation of the "3 + 1" model of personnel training, gradual and orderly setting up a continuous and diversified practical teaching content. Through the course internship - comprehensive internship - professional internship - graduation internship - the design competition mode, as well as the use of township planning, sightseeing agricultural park planning and design, rural recreation planning and other projects, so that students directly involved in the real project, in practice, fill in the gaps, supplement and improve theoretical study.

Graduate talent training

From the perspective of cultivation of landscape architecture talents in postgraduates, taking the study of the basic theory of landscape architecture as the core, rural landscape and recreation planning and design are one of the major research directions and become the characteristics of discipline construction. The existing landscape architecture four research directions are divided into:

(1) Planning and Design of Landscape Architecture: Based on the theory of Chinese traditional landscape gardening, the direction focuses on the theory, method and means of landscape architecture. Highlight the principle of people-oriented, advanced landscape planning and design concepts for analysis and research to provide a theoretical basis, and explore the improvement of urban and rural ecological environment, to create a livable city role.

(2) Design direction of rural landscape and recreation planning: The direction is supported by urban agriculture of Beijing University of Agricultural, focusing on protecting the traditional rural features, improving landscape quality and ecological environment quality in rural areas, and realizing the sustainable development in rural areas and research on regional coordinated development. It pays attention to combine the theoretical research of rural landscape planning and design with the actual planning project and make contributions in the protection of rural landscape planning and design, the economic planning of valley and rural tourism planning.

(3) Direction of Landscape Ecology Engineering: According to the requirements of urban and rural ecological and landscape development, this
direction applies the basic principles of landscape and ecology, focuses on solving the problems of environmental pollution and ecological degradation at the macro and micro scales, and carries out ecological restoration and reconstruction techniques, solid waste utilization technology and urban and rural landscaping technology and other aspects of research.

(4) Orientation of garden plants: Based on the theories of cultivation, breeding and conservation management of garden plants, it focuses on theories such as the germplasm innovation of native plants, breeding and application of landscaping, landscape plant protection and evaluation of ecological benefits of rural areas with technology.

**Discipline platform construction**

(1) Key Laboratory (Engineering Center)

Highlighting the characteristics of Landscape Architecture in rural landscape and recreation planning direction, Key Laboratory of Special Application of Science (Engineering Center) of the College, Landscape Architecture Design and Research Center of Beijing Municipality approved in 2013, with emphasis on rural landscape planning and design, Traditional village style protection, rural recreational recreation planning, urban modern agricultural landscape and other aspects of theoretical research and practical exploration. Since the establishment of the center, it has undertaken a number of fund projects in Beijing, agricultural committee projects and horizontal research projects. Make use of its own professional advantages to go deep into the villages in Beijing and plan and design rural landscapes to make contributions to the comprehensive construction of urban and rural ecological environment and the sustainable development in rural areas. This also provides the basic conditions for the research and practice of landscape planning and recreational planning of landscape architecture disciplines.

(2) Practice base

Based on the research on the direction and highlighting characteristics of disciplines, the discipline attaches importance to the application characteristics of Landscape Architecture and focuses on the combination of theory and practice. It establishes a postgraduate training base jointly with the enterprises and institutes outside the university, participate in practice to provide a platform to develop application skills.

**THE IMPLEMENTATION OF THE RESULTS AND OUTLOOK**

Through the construction of landscape architecture in recent years, the design features of rural landscape and recreation planning are more and more distinct. The research results of the discipline in this direction occupy a relatively large proportion. In particular, they can penetrate into the villages of Beijing Municipality and Beijing-Tianjin-Hebei region and solve the problems of urban and rural construction in the outstanding problems has a good application demonstration. In terms of schooling, students are more and more integrated in the professional learning of landscape architecture, and the overall professional quality has been improved. The employment rate and signing rate of the profession have continuously reached a high level of 98% - 100%, while graduates of employers Health internships and quality of work also gave a high rating.
Discipline construction needs long-term accumulation. In the course of its development, it should meet the actual needs of the society, focus on the development of the industry, but also start from the actual characteristics. Therefore, we should also keep pace with the times in the light of development. It is believed that with the steady construction and development of Landscape Architecture in our school, the research direction of rural landscape and recreation planning and design with the characteristics of agriculture and forestry institutions will also have certain demonstration in a certain period of time and will open up a course for the development of landscape architecture discipline in agricultural colleges and universities Characteristic road.

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