

Teaching Practice and Thinking of Architectural Design Specialty in Higher Vocational Colleges based on the Needs of Rural Revitalization

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Abstract : With the improvement of urban development, the focus of market development has gradually shifted to rural areas at this stage. As the main economic industry in China, construction can not only provide residents with a safe and comfortable living environment, but also improve the gross national economic output value. Taking the teaching practice and thinking of architectural design specialty in higher vocational colleges as the research object, this paper discusses the teaching content of architectural design specialty based on the needs of rural revitalization, summarizes the importance of architectural design teaching practice under this system, and finds out the problems existing in the teaching process, so as to puts forward corresponding optimization measures. Thus, it plays a certain role in promoting the effectiveness of teaching time for architectural design specialty in higher vocational colleges from the perspective of rural architecture in the next stage.

Keywords : Countryside; Architectural Design; Teaching Practice

1. Introduction

Rural economic development depends on the construction of rural environment. In the whole process, in order to ensure the living comfort of rural residents, and the design teaching of rural architecture specialty is very important. In order to build a green, ecological and environment-friendly rural ecotourism industry chain, combined with the training mechanism of architectural talents in colleges and universities, we should set up and practice corresponding rural architectural design majors for practical teaching, which can take rural construction projects as the main battlefield, promote the development of rural construction economy, and improve the effectiveness of construction, in order to train more construction engineers who meet the needs of rural construction for the society, and make more contributions to the development of rural architecture.

2. Importance of practical teaching of architecture specialty based on the needs of rural revitalization

As we all know, with the increasing scale of urban development and the improvement of overall facilities and systems at this stage, the current urban development potential gradually decreases with the increase of population congestion and building facilities.

The rural area is vast and sparsely populated, with beautiful farmland and beautiful scenery. It is a development area with great potential, in order to build a rural ecotourism industry chain based on green ecology and environmental protection, and improve the economic benefits of rural residents. In the field of architecture, by optimizing the teaching of architectural design specialty in higher vocational colleges and carrying out corresponding practical teaching, students in higher vocational colleges can design and develop building projects in line with rural characteristics based on rural buildings in the process of design practice, so as to achieve the objectives of rural regional building protection, rural landscape planning and rural environmental remediation, ensure the inheritance of rural culture, and promote the diversified development of rural regional architectural characteristics, as well as further improve the field of rural architecture.

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3. Summary of practical teaching problems of higher vocational architecture specialty based on the needs of rural revitalization

Although improving the practical teaching level and quality of architectural specialty in higher vocational colleges from the perspective of rural revitalization can effectively promote the further improvement and development of rural architecture, there are still some problems in the practical teaching process of architectural design specialty in higher vocational colleges. This paper briefly introduces these problems and analyzes their causes, so as to promote the application and development of architectural design practice teaching in higher vocational colleges in the field of rural construction in the next stage.

3.1 Imperfect cognition of rural revitalization needs

Although the practical teaching of architectural design specialty in higher vocational colleges can effectively improve students' design level, cultivate students' design ability, and lay a solid foundation for students to quickly connect with social architectural design after graduation. However, many teachers and students have never been to the countryside and do not understand the needs of rural revitalization. As a result, the practical teaching ideas of building society based on the needs of rural revitalization are not perfect and the understanding is not deep, resulting in the decline of the teaching quality of higher vocational architectural design specialty based on the needs of rural revitalization, which unable to meet the current standards of architectural design education in this field, and it is difficult to train architectural design engineers who meet the needs of Rural Revitalization.

The main reason for this situation is that teachers do not go to the countryside to understand the specific content of rural revitalization needs under the teaching field from the perspective of rural revitalization needs. Teachers still use traditional teaching methods to educate and guide students, which makes students still focus on the theory of urban architecture in the practical teaching of architecture, and carry out practical design and practical development on this basis, resulting in the inconsistency between urban architecture and the concept of rural revitalization, opening the gap between them. Unable to achieve the goal of the development and inheritance of rural architectural cultural characteristics and the sustainable development of buildings.

3.2 Lacking of teaching materials for the development of rural characteristic buildings

At this stage, the teaching materials used in the teaching of architectural design specialty in higher vocational colleges are all teaching materials with architectural theory and architectural design guidance as the core. Because they cannot meet the architectural teaching guidance based on the needs of rural revitalization and development, the architectural knowledge learned by students is inconsistent with the requirements of rural architectural design. As a result, it is difficult for students to design architectural projects that meet the needs of Rural Revitalization in the process of practical design. It is not only unable to achieve the goal of the development of rural ecological industrial chain and ecological architecture design, but also difficult to achieve the purpose of training and strengthening students' practical ability in this field.

The main reason for this situation is that in order to professionally screen students' teaching materials, schools and other educational institutions believe that students' design and practice ability can be cultivated only by integrating some theoretical knowledge and teaching content required by rural revitalization in the actual teaching process. Let students study and design the needs of rural revitalization under their own understanding. However, the reality is just the opposite. Students' lack of guidance and understanding of educational materials leads to a decline in their level in the field of rural architectural design, unable to achieve the goal of high-quality rural architectural design, and hinders the cultivation of students' architectural practice ability.

4. Optimization measures of practical teaching of architectural design specialty in higher vocational colleges based on the needs of rural revitalization

In order to ensure the further improvement of the practice teaching quality of higher vocational architectural design specialty based on the revitalization of the countryside, it is necessary to put forward corresponding optimization measures on the basis of summarizing the teaching practice problems of design specialty, so as to promote the continuous development of higher vocational architectural design specialty practice teaching in this field in the next stage.

4.1 Strengthening teachers' and students' cognition of the needs of rural revitalization

At this stage, the practical teaching of architectural design specialty in higher vocational colleges has determined the teaching theme of "rural revitalization demand". Therefore, teachers and students must understand the specific content of rural revitalization needs, go to the mountain village to understand the specific architectural needs and architectural opinions of residents, and learn the local folk style and cultural style, so as to further strengthen the understanding of the rural environment and realize the purpose of learning, understanding and application of Rural Revitalization needs, so that students can design and develop architectural

engineering based on this concept, and realize the development and teaching application of architectural design specialty in higher vocational colleges under the needs of Rural Revitalization.

Teachers need to fully play the role of guide in the whole link. Before the course is carried out, they should contact the person in charge of rural management and organize students to study in the rural environment to understand the content of Rural Revitalization needs. According to the content, they should formulate the teaching practice plan of higher vocational architecture specialty in this field and apply it to the practical teaching process, let students understand the rural environment in a personal way, and give full play to their understanding ability as well as understand the needs of rural architecture in the whole process, so as to integrate rural elements into the architectural design process, improve the level of rural architectural design, and strengthen the teaching practice quality of architectural design major in higher vocational colleges. In the next stage of teaching, we will train more construction engineers to meet the needs of rural revitalization.

4.2 Strengthening the screening of rural architecture teaching materials and integrating them into relevant teaching ideas

The effective application of teaching materials can improve students' understanding of the following knowledge in this field, promote students to carry out relevant architectural design based on the needs of Rural Revitalization and rural architecture, and ensure that the rural architectural projects designed by students can meet the requirements of rural revitalization and meet the characteristics of rural environment. It can be applied to the actual process of rural construction to improve the living comfort of residents, which not only meet the needs of rural revitalization, but also further improve the teaching practice quality of higher vocational architectural design specialty, and play a certain role in promoting the teaching development of higher vocational architectural design specialty in this field.

In order to achieve this goal, the management director of higher vocational colleges needs to make greater efforts in the selection of students' teaching materials, select the architectural teaching materials containing the needs of rural revitalization and rural architecture knowledge on the market, and select several excellent ones to be applied in the actual teaching process. On the basis of learning based on teaching theory, we should let students strengthen their understanding of rural architecture knowledge and apply it to the actual architectural design process. The rural architectural projects and rural design drawings designed by students can meet the current requirements of rural residents for architectural improvement and architectural design, so as to improve students' comprehensive design quality, strengthen students' design ability, and enable teachers to realize the efficient training of rural architectural professionals in this field.

5. Conclusion

To sum up, in order to realize the development of teaching practice of architectural design specialty in higher vocational colleges based on the needs of rural revitalization, teachers, on the premise of understanding the importance of practical teaching in this field, summarize the factors affecting teaching practice based on the needs of rural revitalization, strengthen teachers' and students' cognition of the needs of rural revitalization, and strengthen the screening of rural architecture teaching materials, as well as integrate the effective application of relevant teaching concepts, so that students can further strengthen their understanding of the content of rural architecture needs through the guidance of teaching materials and practical feelings of rural environment under the guidance of teachers, and design architectural design works that meet the needs of rural revitalization. At the same time, it also lays a good foundation for teachers to cultivate more professional architectural design talents.

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