

Research on the teaching reform of Landscape Design course for Environmental design major under the perspective of interdisciplinary integration

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Abstract: With the deepening of the reform of higher education, interdisciplinary integration has become the development trend of education in the new era, which also puts forward higher requirements for the teaching of environmental design in universities. Among them, environmental art design is a strong comprehensive discipline, it involves the content of multiple disciplines. Therefore, teachers should build an open teaching mode in teaching, and penetrate the concept of sustainable ecological design into teaching practice, so as to improve the quality of teaching. Based on this, this paper analyzes and researches the teaching reform of Landscape Design course for environmental design major under the perspective of interdisciplinary integration, expounds the characteristics of Landscape Design course for environmental art design major, and analyzes the significance of teaching reform of Landscape Design course for environmental design major under interdisciplinary integration. To explore the shortcomings of the teaching of “Landscape Design” for environmental design major, and on this basis, put forward the teaching reform strategy of “Landscape Design” for environmental design major under the cross-integration of disciplines for reference.

Key words: interdisciplinary integration; Environmental design major; Landscape design courses

Foreword

Under the background of market environment structure, environmental art design takes “integration” as the mainstream design idea, and the teaching of environmental art design in China should fully combine the socialist thought with Chinese characteristics with education, so as to build an integrated education system. The integration of multiple disciplines has formed more development directions, and the interdisciplinary discipline has also become the mainstream of the modern environmental art discipline. Therefore, teachers should carry out reforms according to the new development trend, so as to continuously enrich the teaching content.

1. The characteristics of Landscape Design course for environmental art and design major

Environmental art design refers to the effective combination of indoor and outdoor space environment of buildings through art design. Under the background of interdisciplinary integration, it involves a wide range of contents, including architecture, urban planning and so on. As the core course of environmental design major, Landscape Design is highly applicable. Students should build a more three-dimensional knowledge learning system by combining the knowledge of different disciplines in the major, so as to better combine knowledge together, improve their professional knowledge and ability, and develop into high-quality applied talents who can adapt to the development of the industry in the new era. Through the study of “Landscape Design” course, students can understand the completion process of landscape design projects, so that students can master industry-related professional skills, apply them to actual projects, and closely connect with the future work environment. The course of “Landscape Design” involves a wide range of content. Different types of landscape have different design characteristics, so teachers are required to explain it to students. At the same time, students generally have the problem of insufficient practical conditions in the learning process, which makes it difficult to effectively combine theoretical knowledge with practice, which also leads to the difficulty of fully connecting professional skills with jobs.

2. The significance of the teaching reform of Landscape Design for Environmental design major under the cross-disciplinary integration

2.1 Improving students' comprehensive ability

Under the background of interdisciplinary integration, Landscape Design course of environmental design major helps students to enhance their comprehensive ability. The major of environmental art design requires students to master more full theoretical knowledge, including the knowledge of urban master planning, regional control planning, architectural design, landscape design and other fields. For this reason, it is difficult to make a project plan through a single discipline, which requires project personnel to constantly enrich the content of the project, and present a comprehensive effect through cross-disciplinary. Therefore, colleges and universities should provide more abundant professional teaching content and cross-disciplinary content for learned monks from a comprehensive perspective in the course teaching. Classroom teaching is a process of longitudinal learning according to chapters of each course. It is necessary to raise and analyze questions from different angles, so as to realize students' understanding and feeling of knowledge, extend the learned knowledge from a horizontal perspective, and thus obtain a deeper learning impression. The curriculum reform of environmental design major under the integration of disciplines helps to present a good learning environment, thus mobilizing students' learning enthusiasm, forming their independent learning ability, and improving their ability to acquire knowledge by themselves.

2.2 Cultivate interdisciplinary application talents

Multi-disciplinary applied talents help students learn more practical knowledge and accumulate practical experience. Environmental design work involves interdisciplinary knowledge in many fields. It is difficult to solve practical problems only from the perspective of the designer's professional quality and skills. Therefore, designers need to form a higher professional level and improve their interdisciplinary learning ability. During the teaching of Landscape Design, teachers should combine art and design with other disciplines, so as to make up for the shortcomings in professional teaching, break through the single thinking pattern of traditional teaching, open up brand-new practical learning opportunities, and promote the innovation of communication and mode. Under the current background of The Times, only by cultivating more comprehensive application talents can we better meet the development needs of society and various industries. Therefore, environmental art design education should be integrated with multiple disciplines, only in this way can we cultivate compound talents with strong quality and ability in the new era.

3. The teaching reform strategy of Landscape Design course for environmental design major under interdisciplinary integration

The major of environmental art generally includes two major design directions, including interior design and landscape design. Although landscape design is listed as the core course, there is no course related to it in the syllabus, and there is no pre-course and follow-up course. Therefore, teachers should optimize teaching and reform from the following perspectives.

3.1 Building innovative ideas of interdisciplinary integration

At the present stage in China, interdisciplinary research is the main subject in all fields, and the intercrossing of different disciplines also enables the construction of an organic whole among disciplines, and produces a new discipline. Environmental art design itself is doomed to the subject characteristics of it needs to reform and improve, so as to carry out the teaching design and implement reform measures. To this end, relevant educators need to make full use of educational thinking, build cross-disciplinary, explore a new teaching model, build an integrated teaching system, cultivate application-oriented talents in the new era, and realize the integration of resources through the extension of integration and cross-penetration of these teaching forms.

Schools should also extend innovative ideas according to the interdisciplinary education platform, and show the characteristics of fringe professional development, and combine art and design to build a platform combining Chinese excellent traditional culture and modern technology under the background of the new era, so as to combine the development needs of the industry to build an educational concept of interdisciplinary penetration. In practical teaching, teachers should make clear their learning goals and concepts, so as to plan according to the needs of the profession and clarify the development direction of the profession. In addition, schools should optimize and reform teaching resources and teaching structure, cultivate talents with strong professional quality and diversified comprehensive practical ability at the overall level.

3.2 Multi-disciplinary integration of teaching content

The key to the teaching of environmental design is to train designers with strong professional ability and professional accomplishment in the new era. To this end, it requires students to master the basic architectural and landscape design methods, build space and environment design models, and improve and new courses. At the same time, universities should explore the integration of landscape architecture, architecture and other disciplines. In addition, colleges and universities should continuously improve the practical teaching mode and optimize the practical teaching content. While teaching basic knowledge to students, more practical courses should be set up to cultivate students with strong professional quality and ability. During this period, teachers should integrate teaching materials, courseware, electronic teaching materials and online open courses into teaching practice activities according to students' learning conditions, subject characteristics and teaching objectives, so as to build an integrated teaching mode. In addition, enterprises should strengthen the education and management of talents, so that students can exert their independent learning ability, so as to get a new design concept. At the same time, schools should cooperate with enterprises and associations to build a college students' entrepreneurship platform based on environmental art courses, introduce a networked innovation and entrepreneurship management model, and build deeper cooperation projects.

3.3 Teaching methods of interdisciplinary integration

Landscape Design course teaching and theoretical practice need to be fully combined. To this end, educators need to deeply explore the current new education and teaching concepts, integrate marginal disciplines, and further promote the cross-disciplinary teaching reform, so that teachers will not be confined to professional teaching for a long time. At the same time, schools should combine reality teaching with network teaching, make use of all kinds of MOOCs and micro-class teaching resources, build an integrated teaching mode of science and practice, truly combine the professional core of environmental art design with cultural creativity, build a more open and shared virtual reality teaching platform, so as to better carry out virtual reality course teaching. At the same time, curriculum construction should focus on cultivating students' practical ability. Teachers with different professional backgrounds should be hired to teach the course Landscape Design. Teachers should do a good job in education guidance, so that students can preview knowledge points by learning various online education resources before class. At the same time, in classroom teaching, teachers need to explain more difficult points and key points to students through modern teaching methods.

3.4 Use diversified teaching methods

Firstly, teachers can use project teaching method to carry out practical teaching. Teachers should constantly enrich teaching resources in practice teaching, and emphasize the cultivation of students' innovative consciousness through project teaching mode. Students need to learn

key vocational skills required by various industries in classroom learning, so as to cultivate students' good professional quality and make them better adapt to the post environment. In addition, schools should clarify their own educational goals, carry forward traditional culture in combination with local characteristics, and develop the regional economy. Colleges and universities can set up traditional culture courses related to the local area to mobilize students' art appreciation ability and practical operation ability. Elective courses should link the teaching work inside and outside the school together, and take the way of traditional teachers leading apprentices to teach, so as to truly display students' works through the form of assessment, and by combining the development characteristics of the market, To realize the inheritance and innovation of traditional culture.

Secondly, schools should build a teaching practice system of "double tutors". "Double tutor" is a kind of cooperation mode between teachers and technical personnel in the school. In the education and teaching work, colleges and universities should pay attention to the optimization of design, the combination of scientific design thinking and practice of teaching mode, and cultivate talents who adapt to the industry environment, have high professional quality and innovation ability. Higher vocational colleges should set up relevant teaching studios so that students can better participate in learning and practice activities. Colleges and universities should set up teacher-led professional workshops, so that students can integrate all knowledge in the experience room and the learning process of the project.

3.5 Building cross-boundary innovation platforms

The use of Internet big data to build an interdisciplinary online teaching platform can supplement and update the teaching resource base through the Internet, accelerate the construction of information courses, and reform the traditional teaching mode by using various online teaching platforms. At the same time, we should continue to expand the ways of academic exchange, mobilize the enthusiasm of students, so that teachers can change their thinking, and cultivate application-oriented talents with strong quality and ability and all-round development in the new era. Teachers should make use of Internet teaching resources combined with school-enterprise joint projects to promote students to form innovative thinking ability and adapt to the development trend of The Times. The open Internet environment has higher requirements for teachers. Professional teachers should continuously enrich their own abilities while improving their own management ability, build an art and design education model under the big data environment, and establish a platform for cooperative innovation and entrepreneurship, so as to enable students to have practical access to more practical exploration projects.

Epilogue

To sum up, as a multidisciplinary integrated discipline, environmental art design should always take "lifestyle" and "ecological environment" as the focus of research, actively explore the relationship between social humanities and healthy life, and build a balance point between population dynamics and space environment. The teaching concept of multi-disciplinary environmental art design specialty should be reformed and innovated, so as to promote the distribution of educational resources, and then put forward the ways and methods of teaching mode reform to explore its practical value. Therefore, teachers should carry out reform according to the development trend of the new era, so as to continuously enrich the teaching content and innovate the teaching methods.

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