

Research on Competition Studio Promoting the Development of Environmental Design Specialty

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ABSTRACT

Under the background of new liberal arts, higher education emphasizes the contribution of scientific material and technical conditions to the development of liberal arts majors. The design major should give full play to the material conditions of the competition studio, take the curriculum construction, echelon construction and system management construction as the starting point, and do a good job in the top-level structure of the competition studio. In the innovation activities of environmental design specialty, based on various practices carried out by the design competition studio, the integration of knowledge and ability is promoted, namely, the deep integration of teaching and research, the closed-loop integration of innovation and entrepreneurship training and the cross-disciplinary and cross-disciplinary knowledge integration.

Keywords: Design Competition; Studio; Environmental Design Major; Fusion

1. The Characteristics of Environmental Design Education Under the Background of New Liberal Arts

Environmental design has its own professional development characteristics. On the one hand, it can transform the indoor and outdoor environment in a beautiful form to make it pleasing to the eye and full of humanistic and artistic atmosphere. On the other hand, environmental design needs the

support of engineering technology to realize the smooth completion of a project, whether it is interior decoration or outdoor landscape. Therefore, the construction of environmental design specialty under the background of new liberal arts has its own unique rules. The combination of liberal arts and engineering in environmental design makes studio play an irreplaceable unique role in professional education.

In order to promote the improvement of students' innovation ability, there are more and more design competitions at the school, provincial and national levels. In addition to those sponsored by the school government, there are also many competitions supported by enterprises. Government-level competitions such as Internet competitions for students' innovation and entrepreneurship, corporate-supported competitions such as Anhui Province Industrial Design Competition, and design competitions at all levels are carried out in full swing, inspiring students' enthusiasm for innovation and entrepreneurship.

Students majoring in environmental design in colleges and universities can't participate in design competitions without art design studios, such as fine carving materials studio, ceramic studio, virtual reality studio, etc. The studio is equipped with computers and related equipment and facilities, which provides material and technical support for students to develop design schemes and complete course assignments, and also provides a

space platform for teachers to conduct discipline competition guidance.

2. Strengthen the Ideological and Political Essentials of Professional Competitions

Students majoring in environmental design participate in various design competitions. On the one hand, achieving excellent results is the explicit value of this activity. On the other hand, students also get ideological education through various competitions, which is a hidden value. Therefore, design competition studio plays a leading role in ideological education.

Design competitions often have clear themes, such as anti-epidemic design competition, rural revitalization environmental competition, and traditional cultural innovation special competition. These thematic contests, which are based on the needs of social development, are encouraging college students to pay attention to social development and are good forms of strengthening ideological education for students. When participating in the design competition, students focus on and think about social problems from different perspectives, and explore solutions to current social problems, such as health and epidemic prevention publicity, renovation of old residential areas, and inheritance and innovation of traditional culture. On the other hand, in order to prepare for the competition, teachers teach students relevant knowledge, which also plays a role in promoting ideological education. For example, when teachers teach how to apply excellent traditional cultural innovation to indoor and outdoor space, they will explain the beauty of Chinese classical gardens and traditional Chinese furniture. These knowledge contents not only deepen the students' love for traditional culture, but also apply the innovation of traditional culture to the relevant theme competition. After the polishing of the design competition stage, the artistic quality and ideological content of the works are improved, which promotes the dissemination of excellent traditional culture.

3. Optimization of Design Studio

Design competition is an effective way to promote students' innovation ability rapidly, and the winning of the competition is the best proof of students' innovation ability. Take the design

competition studio as a platform to promote all kinds of design competitions in an all-round way. The studio is an important guarantee for students to achieve excellent results. Design competition based on studio platform needs to be optimized and structured from the following three aspects.

3.1 Optimizing professional courses in combination with competition

To further optimize the cultivation of innovative talents in environmental design oriented by discipline competitions, it is necessary to adjust the teaching content, reform the teaching framework system, and constantly deepen the practical teaching content based on social needs^[1].

3.1.1 Combine the competition to optimize the professional theory course.

When teachers are involved in case explanation in professional theory class, they can take the winning works of the competition as an example to carry out case teaching. For example, in the course of Environmental Psychology, case teaching is added after the theoretical explanation is completed. The winning works of interior space design can be selected as the case. From the perspective of psychological theory, this paper analyzes why such an environmental space is popular and what aspects the space meets people's psychological needs.

3.1.2 Combine the competition to optimize the professional core courses.

Professional courses focusing on design and practical training incorporate the proposition as the requirement of course assignments into the teaching process. For example, professional core courses such as Interior Environment Design of Residential Space, Interior Environment Design of Commercial Space, Landscape Design of Residential Area, Landscape Design of Public Environment, Exhibition Design, etc., subject competition proposition is introduced in the course task stage. Combine the requirements of the competition with the requirements of the course assignments, and adopt the "seminar-style" teaching in the classroom. With the deepening of the design stage, students will become the main participants in finding, analyzing and solving problems.

Studio-based design competition can't be divorced from the goal of professional education in colleges and universities. By combining the competition to optimize the content of professional courses, we can promote the integration of theory and practice, and produce more and better innovative works.

3.2 echelon construction to promote the continuity of the competition studio

The continuous development of competition studios requires a stable staff. The stable tutor team completes the guidance work, and the stable student team constantly pushes forward the work. Usually, the teacher team can be stable, but the stability of the student team is challenged in the process of the replacement of senior students and new students. Therefore, the echelon construction of student teams can be adopted to promote the stability of staff and achievements of competition studios.

Form an echelon interest group, mobilize more students to participate more widely, and form a small design competition team that can fully discuss. Team members cover all grades, especially in difficult and competitive competitions, requiring senior students to be leaders and junior students to form a team as participants, so as to establish the echelon mode. In the echelon team, senior and junior students bring the old to the new, give full play to their respective strengths, let the experience and methods of the competition continue to be passed down, and quickly improve their knowledge and professional skills in actual combat.

Under the guidance of this model, the competition studio has established a virtuous circle of "professional awareness guidance for freshmen", "professional quality consolidation for sophomores", "practical ability improvement for juniors" and "comprehensive innovation ability formation for seniors". Team members learn from each other and work together to deepen their professional knowledge step by step^[2]. For example, in the Environmental Design Studio in anhui university of finance, when the competition team of "China International internet plus University Students Innovation and Entrepreneurship Competition" was set up, the competition team not only attracted students from freshmen to seniors, but also invited graduate students to participate in the project, taking into

account students from other majors to join the team, such as financial management, e-commerce, etc. Due to the reasonable knowledge structure of team members, different members bring their own novel perspectives to solve problems, and the project team has achieved good results of national copper and provincial gold in Internet competition for many times.

At present, all colleges and universities attach great importance to competitions, which increases the workload of college teachers a lot. The student competition echelon based on the competition studio, with the old and new, step by step, reduces the workload of the instructor, eliminates a certain amount of repetitive work, and enables the competition activities to be carried out smoothly and effectively.

3.3 Flexible management to stimulate the vitality of the studio

In order to stimulate the vitality of the competition studio, it is necessary to adjust the rigid regulations on the evaluation of teachers and students, change constraints into incentives in the system, and promote the reform of the system and mechanism of personnel training. In order to promote students to make more active use of the material conditions of the competition studio to carry out design activities, we can adopt the operation system with longer duration and more flexible management, and form a guarantee mechanism conducive to innovation, crossover, openness and sharing.^[3]

In management, change rigidity to flexibility, break the original barriers of colleges and departments and majors in higher education, and adopt a more flexible menu-based and customizable self-learning mode. The teaching process and results of the design competition studio are subject to the flexible evaluation system.^[4] The flexible evaluation system makes teachers and students no longer tired of dealing with all kinds of hard indicators, and the competition studio has built a good and pleasant innovation environment, forming a good atmosphere of study with the goal of pursuing practical results and unity.

4. Design Competition Studio Promotes the Integration of Environmental Design Professional Development.

Based on various activities carried out in the competition studio, it promotes the integration of three aspects, namely, the deep integration of teaching and research, the closed-loop integration of students' innovation and entrepreneurship ability training and the cross-disciplinary and cross-disciplinary knowledge integration.^[5]

4.1 Promote the deep integration of teaching and scientific research

All kinds of activities carried out by the competition studio can produce multiple effects. Design of professional teachers in the teaching process, the environment around the race proposition involves the knowledge of teaching, the students under the guidance of the teacher form design, the design scheme is not only the course assignments, also is the important content of design contest entries, it is not only the process of teaching achievements and heroines, and to promote scientific research process.

After a competition or an activity is completed, teachers and students can deeply reflect on the excellent methods, processes and conclusions, which can promote the deep integration of competition, teaching and research. Instructors summarize the teaching methods and methods, which can turn the results into teaching and research topics; By summarizing the contents and process, students can turn them into scientific research projects, such as students applying for college students' scientific research projects based on competition content.

Competition drives the benign development of specialty construction, continuously provides impetus for the cultivation of innovative talents, and realizes the two-way transformation of competition results and teaching and scientific research results. Relying on the competition studio, students' comprehensive innovation and practice ability can be improved, and students' scientific research level can be improved. At the same time, teachers can learn and grow with students in the process of guiding the competition, which will help teachers to continuously improve their teaching level.

4.2 Promote the closed-loop integration of innovation and entrepreneurship capabilities

In order to cultivate students' ability of innovation and entrepreneurship, teachers of environmental design major assign tasks with competition propositions as course assignments, and adopt the way of real questions to make design schemes no longer stay in the ivory tower. The advantage of this teaching method lies in that after theoretical teaching, students enter the creation stage, and they experience theoretical learning, social research, scheme design, feedback adjustment, and even the implementation of the complete closed-loop training of innovation ability. In this process, the contact between students and the society is enhanced, and the problems such as lack of motivation and goals for students majoring in environmental design are solved.

The process of completing the competition plan for students majoring in environmental design is the process of transforming their learning ability into working ability and business ability. Students understand their own knowledge and expertise to understand the social environment of the industry development needs, so that they can work for yourself in the future career planning in advance, in this process, the antithetical couplet by teachers and students, build a variety of forms such as entrepreneurial public, mentoring, further perfecting the innovation entrepreneurship education, so as to realize the environment design of cultivating the ability of students' innovative entrepreneurial complete closed loop.

4.3 Promote interdisciplinary and interdisciplinary integration

In the traditional education mode, subjects are too divided, and students are prone to problems such as insufficient knowledge and lack of comprehensive problem-handling ability. In the competition studio, members with different professional knowledge backgrounds exchange and discuss in the process of completing the competition, so as to promote the cross-disciplinary and cross-professional knowledge integration.

The material and technical conditions of the studio improve students' operating ability of designing software and laboratory equipment hardware, and the environment space of the studio leads students to gather and communicate. Think about students' professional knowledge with practical problems, actively learn knowledge beyond their major, and

stimulate students' learning and hands-on enthusiasm to the greatest extent, and stimulate students' self-improvement. In order to achieve good results in the competition, it is inseparable from cross-border integration, which often requires the cooperation of people from multiple professional fields, which also urges students to optimize their knowledge structure through team combination during the competition. For example, when taking part in the environmental design competition, some of the participating projects involve team cooperation in engineering cost, tourism management, graphic design, product design, etc., and interdisciplinary professional cooperation forms the cross-integration of disciplines, which promotes students to learn from each other's strengths and improve the quality of competition works.

5. Conclusion

Emphasize the development of new liberal arts in colleges and universities, which is an opportunity for the rapid development of design competition studios at present. Competition is an innovative practical activity. Further integration of teaching of environmental design specialty and design competition studio platform is a long-term effective way to cultivate innovative talents of environmental design specialty.

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