

Discussion on the Training of Furniture Design and Manufacturing Professionals from the Perspective of Traditional Culture Inheritance

Taking Polus International College in Sichuan as an Example

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ABSTRACT

Against the background of the time when China vigorously promotes the inheritance and innovation of traditional culture and traditional crafts, and deepens the integration of vocational education, production and education, This article takes Polus International College as an example to introduce that based on the perspective of traditional cultural inheritance, there are teaching problems in the process of training furniture design and manufacturing professionals, such as lack of cultural heritage in student design works, insufficient exploration initiative and creative ability of students, and insufficient knowledge and skills to meet the actual employment needs of enterprises, and proposes solutions from the aspects of campus environment education, the construction of the "three fusion" curriculum system, the development of cultural inheritance and innovative practical projects, and the construction of a three-dimensional linkage practice teaching platform of "schools, factories, and workshops". This article also introduces the three-dimensional simultaneous talent training model of "thick humanities, creativity, and strong skills" constructed based on factory-school cooperation and library-school cooperation resources, and concludes the path and method of integrating the inheritance and innovation of traditional culture and intangible cultural heritage with the training of furniture professionals.

Keywords: *Inheritance of traditional culture, Furniture design and manufacturing specialty, Talent training.*

1. INTRODUCTION

The furniture design and manufacturing specialty of higher vocational colleges is a highly practical specialty. To cultivate professional talents with competitive advantages, colleges and universities need to innovate in talent training characteristics based on their own advantages. The "Opinions on the Implementation of the Chinese Excellent Traditional Culture Inheritance and Development Project" and the "Chinese Traditional Craft Revitalization Plan" issued by the General Office of the State Council in 2017 mentioned that it is a must to "strengthen the construction of Chinese excellent traditional culture, traditional

craft-related disciplines and theoretical and technological research". The report of the 19th National Congress of the Communist Party of China proposed that "the vocational education and training system should be improved, and the integration of production and education, and school-enterprise cooperation should be deepened. In order to meet the requirements of the development of the times, the furniture design and manufacturing specialty of Polus International College relies on existing school-enterprise cooperation and museum-school collaboration resources, and how to cultivate and inherit innovative talents has become the main direction of the reform of the talent training model.

*Fund: 2019 Chengdu City Cultural Industry Development Special Fund Funding Project.

2. TEACHING PROBLEMS EXISTING IN FURNITURE DESIGN AND MANUFACTURING SPECIALTY

In the process of cultivating talents for furniture design and manufacturing majors in higher vocational colleges, due to insufficient accumulation of students' humanistic knowledge, students lack the ability to understand and create beauty from a humanistic perspective, and there is a phenomenon of lack of humanistic heritage in design works; due to the relatively poor learning initiative and scientific and cultural foundation of higher vocational students, the students' original motivation and awareness of innovation are insufficient, and the initiative to explore problems is insufficient; in addition, due to the lack of close school-enterprise cooperation and the insufficient depth of integration of production and education, the skills that students learn during school are extensive but not sufficiently specialized, and it is difficult to meet the actual employment needs of enterprises. In response to the above teaching problems, furniture design and manufacturing specialty of Polus International College takes traditional cultural inheritance and innovation as the main line, and puts forward and practiced a three-dimensional simultaneous talent training model of "thickening humanities, emphasizing on creativity, and strengthening skills".

3. THREE-DIMENSIONAL SIMULTANEOUS TALENT TRAINING MODEL CONSTRUCTION IDEAS OF "THICKENING HUMANITIES, EMPHASIZING ON CREATIVITY, AND IMPROVING SKILLS"

3.1 The Three-dimensional Talent Training Concept of "Thickening Humanities, Emphasizing on Creativity, and Improving Skills" Runs Through the Whole Process of Professional Talent Training

3.1.1 Creating an Immersive Education Environment

Building an ecological and humanistic campus environment can make the school become an active resource for ecological education and humanistic

education everywhere. When teachers and students study and live on campus, they can feel the ability of human beings to create beauty everywhere, and feel the beauty brought about by the integration of traditional culture and modern design. Under the influence of environmental education, it can activate students' demand for "humanities knowledge", which can be transformed into the motivation to learn humanities knowledge. The immersive campus education environment can be built by relying on regional characteristic resources and school-running characteristics. Taking the Polus International College as an example, the school has combined its school-running characteristics and fully explored regional cultural resources. It has built a museum community composed of Western Sichuan Classical Furniture Museum, Needlework Craft Museum, and Contemporary Terracotta Art Museum, turning the campus into National AAA-level tourist attractions. The school also uses the academy's cultural, museum and tourism resources to create an immersive education environment for students to learn humanities knowledge and experience excellent traditional culture and intangible cultural heritage.

3.1.2 With the Inheritance of Excellent Traditional Culture and Skills as the Main Line, It Is a Necessity to Construct a "Three Fusion" Curriculum System, and Form a Bipolar Teacher Compound Teacher Team

To cultivate a designer with unique and keen professional design vision with the characteristics of the times, the designer must have a deep national cultural literacy and traditional humanistic spirit to support the framework of his/her entire professional knowledge. The "three fusion" curriculum system mainly refers to a curriculum system that integrates and infiltrates "humanistic quality training, innovative thinking and innovation ability training, and professional skill imparting" with the inheritance of excellent traditional culture and skills as the main line.

The improvement of humanistic quality plays an important role in learning and understanding professional knowledge and mastering professional skills. To learn furniture design well and create excellent products, people must pay attention to the learning and accumulation of humanistic knowledge. Humanities quality education mainly includes cultural literacy, moral concepts, aesthetic

appeal and other aspects. Taking the furniture design and manufacturing specialty of Polus International College as an example, the professional curriculum structure mainly consists of "public basic courses + professional group platform courses + professional direction skills courses + practical practical courses". In the public basic course module, through cooperation with the Institute of A Dream of Red Mansions, the school has innovatively opened the "A Dream of Red Mansions and Chinese Traditional Culture" course, established information teaching resources, and organized teaching in the form of "online + offline" combination. The school has also cooperated with museums and non-genetic inheritors to jointly develop "intangible heritage techniques" inheritance courses such as "Ancient Furniture Repair Techniques", "Shu Embroidery Crafts", "Ceramic Processing Techniques" and other "intangible heritage techniques" inheritance of Chinese excellent culture. In the "Professional Group Platform Basic Courses, Professional Skills Courses" module, the school, on the one hand, closely combines the position setting with the needs of regional economy and industry development, and breaks down tasks and sets courses according to the position direction and ability requirements, and on the other hand pays attention to the infiltration of humanistic education and professional education, and establishes a curriculum teaching content of "the integration of traditional culture and artistic aesthetics, traditional crafts and modern technology". While imparting professional knowledge and skills, teachers consciously guide students to learn knowledge of excellent traditional culture and skills, open up their thinking, improve humanistic qualities, and cultivate patriotism. For example, the furniture major "Design and Manufacture of Solid Wood Furniture Structure" course effectively integrates traditional furniture culture, traditional furniture structure, traditional furniture production technology and modern production technology to make products. This is not only conducive to cultural inheritance, but can also stimulate students' love for national culture and enhance cultural confidence.

In order to ensure the achievement of the goal of talent training, it is necessary to establish a bipolar teacher compound teacher team composed of "highly educated teachers with high professional titles, industry experts, skilled masters, non-genetic people and skilled craftsmen". In the teaching process based on actual projects, the teacher team can give full play to their respective roles in order

to meet the professional talent training goals and the requirements of specialized courses for teachers' abilities.

3.1.3 Incorporating Cultural and Technological Inheritance and Innovation Activities into Various Social Practice Activities

Closely focusing on the needs of inheriting traditional culture and skills, the school has set up student club activities, such as wood art research clubs, and organized rural summer trips to the countryside that reflect the characteristics of furniture majors, so that students can feel, learn and use excellent traditional cultural knowledge to enhance their love for national culture.

3.2 Based on the Idea of "One Transformation, Two Docking", It Is of Great Significance to Develop Real Projects, and Use Projects as the Starting Point to Stimulate Students' Creativity

3.2.1 One Transformation: Transforming Market Demand and Regional Cultural Inheritance Needs into Real R&D Projects

It is a must to actively transform market demand, regional cultural heritage and cultural and cultural development needs into research topics, and introduce capital and technology to make it a real cultural creation or technology research and development project through cooperation with the government and enterprises. In real projects, students can "learn by doing, do while learning". Students' excellent works are the products, which are transformed into commodities and sold, promoting the improvement of students' comprehensive ability. These commodities can also promote the spread of regional characteristic culture.

3.2.2 *Two Docking: Docking Design Fashion, and Docking Cultural Inheritance and Development of Real Projects*

3.2.2.1 *Docking Design Fashion, Building Multi-level Studios, and Developing Real Projects for Cultural Inheritance and Innovation*

In the context of the integration of culture and tourism, it is necessary to closely meet the development needs of the cultural and tourism industry, combine modern design innovation concepts and popular fashion, build cultural and creative, cross-border creative studios, and develop real cultural and creative projects. The main body of the studios can be business experts, university teachers or students who start their own businesses. Under the guidance of business experts and college teachers, and the leadership of outstanding seniors, students can carry out market-oriented practical project research. Enterprise experts and teachers can bring new industry norms, new enterprise technologies, and new projects into the classroom, and integrate enterprise courses and school courses, which can effectively improve the fit between student abilities and corporate job abilities, and solve a series of problems from conception to implementation of the design plan. In the process of completing actual combat tasks, students can also earn a certain amount of income, which can enhance learning initiative, stimulate creativity, and gradually improve the ability to analyze and solve problems.

3.2.2.2 *Docking Cultural Inheritance, Building Workshops and Research Institutes, and Developing Cultural and Technological Inheritance Projects*

It is necessary to closely connect the inheritance of traditional woodworking skills and the needs of antique furniture restoration and protection, introduce non-genetic people to build non-genetic inheritance studios. It is also a necessity to introduce technical experts and skilled craftsmen to build master studios, and introduce traditional cultural research experts to build research institutes, which can not only solve the teaching problem of traditional skills and cultural inheritance, but also solve the problem of the source of real projects. In real projects, students are able to learn intangible heritage techniques, cultural relic restoration and protection techniques, and create works that

conform to modern aesthetics, and their learning enthusiasm and initiative can be improved.

3.3 ***Building a Three-dimensional Interactive Teaching Platform of "Schools, Factories, Workshops", Promoting the Deep Integration of Production and Education, and Ensuring the Training of "Precise and Specialized" Skills***

The so-called "three-dimensional linkage" refers to the three-dimensionality of "school base, factory in school, and workshop(room) in school", with practical training projects or industrial projects as the carrier, and "win-win" as the goal to achieve mutual linkage in talent training. The school base mainly refers to the professional on-campus training center, the factory in school mainly refers to the on-campus productive training base, the on-campus self-built museum, etc. The workshop(room) in school mainly refers to the master workshops, enterprise expert workshops, teacher workshops and student entrepreneurship studios in the school.

In the cooperative dimension of "school base and workshop(room) in school", the professional training center and its counterpart intangible cultural heritage master workshops, skill master workshops, enterprise expert workshops, teacher workshops, student entrepreneurship workshops, etc., can pass on intangible cultural heritage to realize linkage in the development of courses and training projects, student innovation and entrepreneurship guidance, and creation of design works. In the cooperative dimension of "school base and factory in school", the professional training center and the production training base (factory) in the school can jointly develop practical courses, compile loose-leaf textbooks, train dual-qualified teachers, and develop new technologies and new products to realize linkage, etc. In the cooperative dimension of "factory in school and workshop(room) in school", it is mainly through industrial project linkage to jointly complete the creative research and development of cultural and creative products, product processing and production, intellectual property protection, scientific and technological achievements transformation, and technical inheritance training cooperation. Through the "three-dimensional" linkage, it can promote the deep integration of production and education in the furniture

profession, and provide guarantee for cultivating students' "precise and specialized" skills.

4. CONCLUSION

It is necessary to take traditional culture and technology inheritance and innovation as the main line, and construct a three-dimensional talent training model of "thickening humanities, emphasizing on creativity, and improving skills" in the furniture design and manufacturing profession, which can meet the needs of higher vocational art design education for the training of inherited and innovative talents. Incorporating traditional culture and traditional craftsmanship into the education of furniture majors, it is also necessary to build a "three fusion" curriculum system, form a suitable teaching team, establish a three-dimensional linkage practice teaching platform of "school, factory, and workshop", with real projects as the starting point, strengthen school-enterprise cooperation and deepen the integration of industry and education, which will not only help cultivate technical and technical talents with better cultural and artistic qualities, but also help the inheritance and development of excellent traditional culture.

AUTHORS' CONTRIBUTIONS

This article is independently completed by Yingyan Guo.

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