

## Research on the Research and Development of Teaching Strategies Based on Interior Design Courses

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### Abstract

According to preliminary statistics, currently most colleges and universities across the country have opened the environmental art design major, training level involves specialist, undergraduate, postgraduate, interior design courses compulsory course for students majoring in arts design for the environment, as a result, today's China has become the world's largest indoor design education power. How to meet the needs of new age talents becomes the key point of the present course teaching. In the course of the new course of teaching mode, the concept of project research and development feedback teaching has entered universities, and some professional leading institutions have begun to explore the application and implementation of ideas.

### Keywords

Interior Design, Teaching, Project Development.

### 1. Introduction

Interior design course is a compulsory course for environmental art design. It includes interior design of residential space, interior design of hotel space, interior design of catering space and interior design of commercial exhibition space. According to the structure of the use of nature, environment and the corresponding standards, using the material technical means and building design principle, create function reasonable, comfortable beautiful, satisfy people material and spiritual life need of the indoor environment is interior design. Interior design course aims to develop designer have excellent design literacy, let a space environment has not only use value, meet the functional requirements, but also reflects the historical context, architectural style, mental factors such as environment atmosphere.

The idea of introducing the project into universities was proposed by the German educator Humboldt in the 19th century at the University of Berlin. Project research and introduction of the ideas put forward for clear college teachers of colleges and universities has the right of project research and development, with the development of The Times, development project development pattern in colleges and universities is getting better and better, and to undertake projects more and more, the scientific research to teaching provides many new platform. Traditional interior design course teaching mode emphasizes the applicability and practicality, but only refers to the application and practice is a simple operation process, technology or software how to on the basis of practical skills, joint research and development institutions to cultivate compound together, conform to social development needs of high-quality professional talents, is the present market needs. Therefore, the project research of feedback teaching theory is necessary, the interior design project into the curriculum teaching, let the students to learn knowledge in the project, solve problems, to complete the design, design to improve students' practice ability, strengthen the competitive power of the professional.

### 2. Analysis of Interior Design Status

#### 2.1 Talent Training Mode of Interior Design Course

The current interior design courses opened in university grade two and grade three main stages, 4-8 hours a week, a total of around 17 weeks of teaching time, venue for more room, the curriculum for

the theory teaching and practice teaching. However, in the actual teaching situation, there is a small amount of weekly class, which can't make students concentrate more on the design course, and the duration of the week is too long and some of them are slow.

From the point of the teaching goal, the present interior design courses to students to master the software as the main training objectives, using software to complete interior design related plan, rendering and construction drawing, for the design of the problems existing in project construction, students know little. As a result, Most students talk empty talk, lack of practical experience and practical ability.

The traditional interior design courses in practice mode of teaching, first by the teacher explain theory knowledge, and then by the students for drawing on the computer, after the completion of this course, students submit drawing assignments, even after a set of process to complete this section course content. In such a teaching mode, students focus more on completing the drawing, and less attention should be paid to the early theoretical knowledge learning. In fact, we can try to design the students first. When the problem arises, the teacher will introduce the theoretical knowledge to explain the problem. The effect of students' absorbing theoretical knowledge may be better.

## **2.2 The Need of Society for Interior Design Talents**

At present, the professional interior design face a lack of high-quality creative and entrepreneurial talents, along with the real estate industry boom, people in the pursuit of high quality life, the high professional interior designers on the market to become scarce resources, training high quality professional designers become the direction of recent years.

Today's colleges and universities cultivate interior design personnel, only stay in training technicians, and short of level designers, students after graduation to enter work mostly as an intern for learning, the low level of wages. The happening of this kind of situation, the reason is that students do not have any practical experience during learning, has never been involved in interior design projects, the so-called training courses, also just drawing teacher course task on the computer, to the project implementation of the specification, the material market, the construction technology, etc.

At this stage, if we want to cultivate talents with high professional quality, we will change the traditional teaching mode and propose new training plans and teaching methods. Among the many new theories of education reform, the opinion of project research and development feedback teaching is the most popular. Universities through many years of accumulation has a mature research institutions operating management mode, using the platform, the research and development of interior design project feedback to the course teaching, let the student during the period of school to participate in the actual research and development design projects, increase during the period of school real project practice experience.

## **3. The Renewal of the Concept of Project Research and Development**

### **3.1 The Theory Put Forward**

The project research and development feedback teaching refers to that the university concentrates resources to enhance the scientific research strength of the university, and tries to convert the scientific research advantages into teaching advantages, so as to improve the teaching quality of the school. Project research and development is to improve education in colleges and universities personnel training quality is an important feature, in order to promote the application of new technology innovative entrepreneurial talent training work and integration of production, study and research and development, improve education quality of personnel training, booster of colleges and universities to create a high level colleges and universities, many colleges and universities have begun to feedback to the project research and development the extension of teaching theory to explore. Interior design project research and development of feedback teaching way to cultivate talents closer to the modern society to the designer's request, therefore, in the interior design courses has been advancing theory in front.

### 3.2 Application Case

Interior design course project research and development on the comprehensive research of feedback teaching subject, both at home and abroad have been carried out, and new teaching mode, the students creativity, initiative and participation are very significant.

In collaboration with the American aerospace museum (NASM), the Exhibition design program at George Washington University offers interior design and Exhibition space for the "spacewalk" space in the museum. Teachers taught in the museum, the first half of the semester, students mainly through a tour of the museum inside the exhibition hall, the teacher the explanation and analysis of the spatial layout of display design, colour collocation, material quality and the use of light. In order to more fully display design practice, during the course will also organize the student to the fabrication plant on the outskirts of the museum, and the factory director introduced production technology and processes to show exhibits. The teaching environment of the real scene greatly promotes students' design, creation, perception and memory, and encourages students to enter into the work mode of the research and innovation enterprise. In the second half of the semester, students will design and decorate the interior space of the museum under the guidance of teachers. NASA will provide Copyrights for the materials students need in their creations, including text and pictures. The final results required for the course must be reviewed by the design department of the American aerospace museum to ensure that it meets the national museum standards and is officially displayed in the museum.

The interior design course is very practical, so the interaction between teaching and practice is an important part of cultivating high-level design talents. Domestic some walking in the forefront of art education of colleges and universities have begun to explore new project introduction of classroom teaching mode, such as Tsinghua university academy of fine arts, central academy of fine arts, China academy of art, Tongji University, etc. Colleges and universities to establish a "workshop", each workshop is composed of a teacher and a few students, in the form of small-class teaching and counselling, teacher introduced through a project curriculum, lead the students to participate in the actual project design. In the early stage of the project design, the teacher took the students on a field trip, visited the building materials market and the processing plant during the design phase, and later participated in the construction work until the project was completed. Part of the workshop is with foreign art college teaching system, strengthen intercollegiate exchange, promote the art of teaching thoughts under different cultural background, let the student through the way of project cooperation, Shared design projects, create rich creative and practical significance.

## 4. The Reform Strategy of Interior Design Course Cultivation Model

### 4.1 Improve the Teaching Mechanism of Colleges and Universities

This paper puts forward the project teaching mode and realizes the transformation of "taking curriculum as the center to focus on the subject". According to the contents of the real projects, series related to interior design courses, strengthening the connection between the courses, to avoid repetition, make course 1 layer, make a design to achieve a certain depth and breadth. Feedback teaching to research and develop the project of interior design courses teaching mode, must build perfect system of theory teaching, strengthen the connections with the research and development, research and development institutions also need to constantly introduce university-enterprise cooperation projects, assist teachers in teaching. In terms of curriculum setting, it is necessary to timely adjust, integrate resources, and increase the number of hours. According to the market guidance forecast and the actual project content, explore the matching curriculum teaching setting, to combine the market and advance with The Times.

### 4.2 Project Training is Included in the Teaching Plan

Goals of the new curriculum teaching objectives, teaching mode is to make corresponding adjustment, the training project and innovation ability as the teaching elements listed in the syllabus, pay attention to the learning process, adding yet, innovative, design content. It is an attempt to extend the research

and development of interior design projects to the outside of the course, broaden the students' horizon and broaden the students' knowledge.

#### **4.3 Improve the Faculty Level**

It is necessary to improve the professional level of teachers. A good teacher is not only the teaching of the textbook knowledge, but also has the professional practical ability, can lead the student to carry on the actual project design. For teachers, the improvement of their professional level needs to go out of the classroom and into the enterprise. We will increase the opportunities for teachers to cooperate with the research and development institutions, make full use of the research and development platform, and conduct project research and development feedback teaching. For young teachers who have no experience in enterprise, the school should increase their support and establish the standard of teaching and scientific research as an excellent university teacher. We can set up the orientation training program for enterprises and teachers, help new teachers improve their professional practice ability, and establish a bridge of school-enterprise cooperation.

#### **4.4 Enhance Students' Learning Initiative**

The implementation of the new curriculum model requires to increase students' initiative in learning. Unlike traditional cramming teaching, teachers are no longer the indoctrination of knowledge, but the guidance of knowledge. Course by introducing programs make students explore independently, when problems arise, the teacher gives theory knowledge, the design process, the teacher guides the student to carry on the design steps, students complete the study content, according to the requirement to obtain knowledge. The workload of students' autonomous learning is increased, and students are required to have sufficient enthusiasm and passion for specialized courses. In the face of problems, they should try to find solutions by themselves. Therefore, in the new mode, students' learning attitude, manner and emotion should be taken seriously.

#### **4.5 Improve the University Management Mechanism**

The development of a new training mode needs the assistance of university policy, and the improvement of management mechanism is also necessary. Colleges and universities should establish corresponding functional departments for guidance and management, formulate management methods and guidance documents, guide enterprise projects, guide teachers to teach, and serve students' practice.

### **5. Conclusion**

American education, Ralph Tyler in the basic principles of curriculum and teaching, points out: "the curriculum is the core of the education career, education is the use of means of course plays a decisive role in the education activities, without the course, education is not to convey the meaning of information." To cultivate innovative talents for interior design of teaching reform is to set up a complete set, system, reasonable and scientific teaching system, the project research and development into teaching, create favorable conditions for the practice of experiential teaching, guide students through active participation, hands-on practice, form a positive experience. In the contemporary era of the rapid development of knowledge economy, only the innovation of education concept and the reform of practical teaching can meet the demands of the society for the cultivation of interior design talents.

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