Research on the Teaching Mode of the Interior Design Studio System in Universities Based on Computer

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Abstract. With the continuous development of the modern economy and the maturity of computer technology, the demand for talents in the interior decoration design market is becoming more and more vigorous, and interior design majors in colleges and universities are becoming more and more popular. At present, a teaching model based on network studios has gradually penetrated into college interior design majors, which makes such an open teaching model accepted by teachers and students\textsuperscript{[1-3]}. This article studies and analyzes the specific meaning and content of the teaching model based on the network studio, the characteristics of the model and its development countermeasures, and expounds the practical methods of the teaching model in order to provide references for related work\textsuperscript{[4-5]}.

Keywords: Studio System, Interior Design, Teaching Mode, Computer Technology

1. Introduction

At present, the teaching mode of studio system has been popularized in the major of interior design in colleges. Accordingly, a studio-based teaching model began to gradually penetrate into the university's interior design specialty, which also made such an open teaching model accepted by teachers and students. The teaching mode of studio system of interior design specialty is put forward according to the training objective of college education, the specialty characteristics of interior design and the learning characteristics of college students. It takes project as the center to organize professional learning, through the establishment of studios, so that students' professional knowledge learning and skills training can be completed by participating in the work of the studio. This teaching mode aims at cultivating students' ability to analyze and solve problems, so that teaching and employment can be better linked, and effectively shorten students' employment adaptation period.

2. The meaning and content of studio-based teaching model

2.1. The meaning of studio-based teaching model

In the interior design specialty of colleges, the main meaning of carrying out studio system teaching is to take different types of studios as the carrier of professional learning activities, and strive to better help students achieve the integration of professional learning and practical production activities. In the
study of the studio system, professional knowledge is still the basic content of teaching. In this mode, students should take the project as their own task. Therefore, it can be said that the studio system is under the guidance of teachers, students continue to improve their abilities in the whole process of undertaking projects and completing projects.

2.2. The content of studio-based teaching model
At present, the main contents of studio-based teaching mode in interior design specialty of colleges include students' determination of their subject items, management of students' learning attitude and ability, formulation of learning objectives, evaluation of students' learning performance, determination of studio development goals and overall direction, internal management of studios, rewards and punishments, etc.

3. Problems existing in the cultivation of interior design talents in colleges
In higher education, the teaching of interior design specialty started late, and it was first carried out in architecture and art design specialty colleges. After that, all colleges began to imitate the teaching of interior design specialty in architecture and art colleges. However, many college interior design graduates' personal qualities are out of touch with the market demand, resulting in the problem of talent shortage cannot be fundamentally alleviated. The problems involved are shown in figure 1 below.

![Figure 1. Problems existing in the cultivation of interior design talents.](image_url)

3.1. Uncertainty of training objectives
In the process of training technical talents in colleges and universities, the training objectives should be determined. Only in this way can colleges ensure the conformity between talent training and market demand. According to the survey of modern market demand, the demand of interior design and decoration enterprises for talents includes two aspects, one is design professional skills, and the other is decoration management ability. At present, the major domestic colleges focus on the training of students' professional skills, thus ignoring the training of decoration process management ability, which ultimately leads to the low overall quality of students, and the suitability in the market cannot be improved.

3.2. Lack of practical teaching ability
At present, many teachers in colleges have strong theoretical teaching ability, but lack of practical teaching ability. However, the core of education is to cultivate students' practical ability. The lack of teachers' quality also makes the teaching of interior design students run counter to the educational purpose. As far as the current situation is concerned, most of the teachers majoring in interior design in colleges graduate from art design specialty, lacking experience in interior design teaching.
Designers with rich experience in the industry generally do not work part-time in colleges, which further leads to the limitations of students' knowledge, especially the lack of understanding of various high-tech and materials.

3.3. Unreasonable arrangement of curriculum
At present, there are obvious problems in the design and arrangement of interior design courses in major universities. One of the most prominent points is that the content of the course is severely disconnected from the high-tech used in the modern market, and many theoretical knowledge does not meet the needs of modern interior designers, resulting in students' ability to solve problems independently when they enter the social work is obviously insufficient. Moreover, at present, the teaching of relevant laws and regulations, safety management skills and document management skills are not involved in the education content of interior design specialty in China, which makes the students' professional skills unable to be improved, and further weakens the concept of modern quality education.

4. Strategies of studio-based teaching model for interior design

4.1. Clarify talent training program
In order to optimize the training program of interior design professionals in colleges, and promote the construction and development of studios, colleges should implement the combination of work and learning, strengthen school-enterprise cooperation, and deeply integrate into the industrial chain, so as to make the training of school talents meet the needs of the industry, college teachers and industry experts jointly participated in the establishment of the training program.

4.2. Develop course based on college standards
College teachers and enterprise technicians should participate in curriculum development based on industry standards. Based on the characteristics of the interior design industry, industry standards, professional competence and enterprise operating standards should be integrated into the course teaching in the course system.

4.3. Combine studio project and teaching
Put the classroom in the studio, and students complete the learning task in the project teaching of the studio. Teachers complete the teaching activities through the design task of the studio, and students realize the connection between the project and the teaching task in the learning process. The specific teaching process includes five stages as shown in figure 2.

![Figure 2. The specific teaching process.](image)

4.4. Establish an operation and management mechanism for the studio
Studio simulates the operation mode of enterprises, students form a certain perceptual understanding of the operation mode of enterprises during their study, so as to better adapt to the work they are...
engaged in the future. Firstly, it should improve the system of studio, strengthen the management of studio discipline, maintain the order of studio work, establish attendance management system, establish performance appraisal system, and evaluate the performance, ability, attitude and personal character of studio members in the work process. Perfect system makes students no longer regard themselves as students in school, but use the standards of enterprise employees to demand themselves. Secondly, the studio refers to the work mode of the enterprise, and is divided into different positions. Students should not only do their own work in different positions, but also coordinate the cooperation between them and establish team consciousness.

5. Conclusion
In today's information age, the education of modern interior design profession is different from the traditional teaching mode. The teaching mode based on the network studio should be the main mode of modern interior design, so that students can get more practical opportunities during the study period, and further understand the market demand of interior designers to ensure that the training of students can meet the market demand. The teaching mode based on the network studio enables college students to gain practical work experience, enable them to get a job successfully, and reflect on teaching concepts. In the process of implementation, there are still some areas that need to be improved. Only by constantly summing up experience and in-depth exploration can colleges and universities cultivate more useful talents for the society.

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