

Research on the Teaching Mode of Digital Image for Art Design Specialty in the era of Multimedia Information

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Abstract: The integration of art and science will become the mainstream of the human thought culture in the 21st century. The division of human into the digital age, the natural science, the social science and the human science is becoming more and vaguer, and the development and research of the crosscutting of the subject has become an important content of the teaching and research of the university. The idea of integrated development of art design education also rose. The art design education in the multimedia information era is very different from the traditional educational model. The arrival of the multimedia information era has brought great changes to the art design education, and the long-established design-teaching mode with the art teaching as the main body has not been able to adapt to the requirements of the training of the cross-century talents in 2005. The research of interdisciplinary and the effective application of digital media have become the key problems to solve in design education. This paper discusses the reform of the teaching mode of digital media art specialty. It considered that optimizing the general basic course platform is beneficial to strengthen the students' design literacy, refine the professional direction, construct the modular curriculum system, and have the function of deepening the professional study. It is helpful to improve the students' vocational skills and enhance the employment competitiveness and entrepreneurial innovation ability.

1. Introduction

At present, there are still many problems in the teaching of digital image for art and design majors in colleges and universities in China, such as the outdated teaching mode, the single curriculum, and the inability to make effective use of the unique digital technology in the multimedia information age. In view of these problems, this paper analyzes the profound influence of the multimedia information age on the art design teaching, and puts forward some corresponding teaching reform methods, in order to explore an effective way to carry out the design teaching reform in colleges and universities under the background of the multimedia information age.

At present, most of the teaching modes of art design in China are limited to the traditional infusion and modular rescue. The teaching system mainly based on technology, neglecting the artistry of the works. In teaching, students follow the teacher's train of thought, there is no interaction between teachers and students, students passively receives education, inhibit creative thinking, resulting in the same students' works. In the teaching content, it still insists on the traditional camera, requires the students to use film to shoot the work, and does not face up to the impact of the advent of the digital media era on photography. Alternatively, overemphasize the role of digital photography. Some of the traditional photography ignored in the art of photography. Importance in education.

Aiming at the problems existing in the photography teaching of the art design, the photography teaching should show the saving mode of the main line in the teaching interaction of the creative practice, and by setting a series of step-by-step "working chamber theme-type" as the current art professional photography teaching process. At the same time, it is accompanied by the teaching-aided photography studio, the teaching and interaction mechanism of the digital dark room, and the exhibition. The traditional teaching should only pay attention to the explanation of

technology and equipment, and advocate the subject-based teaching mode in the teaching of photography to mobilize the students' self-learning and creative thinking to show their own personality. To disseminate the interest and enthusiasm of the students through their work The establishment of the room and the mode of subject-based administration. In order to provide a wider experimental space for the teaching and teaching activities, the theoretical teaching and the skill training are the main tasks of the teacher. Teachers should pay attention to the work results of each stage of the students, give guidance at any time, and complete the teaching in the interaction of teachers and students. This mode of education has produced an open education-teaching loop and high-quality teaching resources, which is beneficial to the development of the art design professional photography teaching.

With the progress of media digital technology, photography is more and more moving towards the core of modern artistic creation, that is, the selective road of subjective ideas. Photography has also become the art category, which does not rely on “way” in all forms of artistic expression because of the continuous intervention of media digital technology. The energy teaching of art specialty should revolve around the current trend of the development of digital media, so that it can become a powerful support for the development of media art.

2. Analysis on the present situation of “Digital Image” Education and Teaching of Art Design Specialty in Colleges and Universities under the background of Multimedia Information Age

At present, the world has entered a time of multi-media information, and the education system based on the industrial revolution to the age of multimedia information must have a profound transformation. However, the current design education system in the country still lags behind, and there are many disadvantages in the design specialty teaching. In the background of the digital information age, most colleges still follow the existing syllabus and teaching materials, and the design of the specialized courses of art design is generally: the basic course of modeling, the basic course of the specialty, and the professional design class. There is also a lack of necessary links between the basic course and the specialized course. The traditional teaching method cannot reflect the modern design language well and the whole society is efficient and convenient. The information environment is also gradually out of touch. In the face of the continuous problems in teaching, the curriculum system and teaching content have improved. On the one hand, it pays attention to the cultivation of students' traditional hands-on ability; on the other hand, it carries on the design practice to improve the students' ability. However, in the intelligent and networked environment, these teaching explorations still have many shortcomings. To realize the sharing of teaching information resources through the network, to carry out teaching activities and academic exchanges, and not to restrict by time and space, these ideas will occupy a major position in the future teaching reform.

3. The influence of Multimedia Information Age on the Teaching Mode of Digital Image for Art and Design Specialty

The development of the digital network technology and the multimedia technology, the global sharing and linking of the knowledge, the impact of the traditional education concept, has also had a far-reaching influence on the art design specialty, the digital image and the teaching mode. The traditional single teaching mode will gradually be replaced by the modern educational technology represented by the interactive and intelligent teaching.

3.1 The Transition of the Traditional Teaching Method to the “guide the self-learning of the students”.

In the digital information age, the basic characteristic of teaching is to realize digitization, networking, intelligence and multimedia. Teachers and students can retrieve all kinds of design information through the network, and all kinds of teaching information resources can be shared through the network. Under the background of information age, all kinds of information media and

information network are playing a more and more important role. Teachers change from authoritative imparting knowledge to judging students' needs, cultivating students' ability to collect, process, use and analyze and judge information, so that students can gradually adapt to the transformation of roles, that is, from negative knowledge recipients to positive knowledge explorers. The teaching method can also fully cultivate students' original thinking ability and enhance the teaching effect significantly. In the actual teaching process, first, the teaching focus and difficulties in the course will be shown to the students, so that they can give full play to their subjective initiative and seek their own answers. In class, please introduce their research results, then introduce the teaching content of the course, analyze with the students, and help the students to establish the knowledge structure. This open teaching form, teachers and students have a multi-angle understanding of the teaching theme, the teaching process into the process of learning together between teachers and students, and then improve the enthusiasm of students, and achieved good teaching results.

3.2 Transformation from traditional Teaching method to Multimedia Information Technology Teaching Mode.

Digital technology, which integrates sound, light and electricity, has gradually become the mainstream mode of modern education. In the field of art design teaching, digital multimedia technology can express the image and intuition of art from many angles, at the same time, the audio-visual integration of human-computer interaction multimedia teaching method and the integrated visual image can effectively stimulate students' image thinking, which is of great significance to students' design creation and design conception. New technology and new media also give teachers rich creative space in the teaching process, and greatly promote the reform and development of art design teaching. In the actual teaching process, try to adopt the network teaching method, that is, with the help of the digital network technology extends teaching activities from classroom to the Internet, so that the classroom teaching of single board can be extended and extended to the maximum extent in the virtual space of the network. Students have a large independent space, study efficiency is higher, and at the same time, it brings great challenge to students' consciousness and initiative.

4. Exploration on the Teaching Mode of Digital Image for Art Design Specialty in the background of Multimedia Information Age

Through the above analysis, we find that the art design education in the multimedia information age, especially the reform of the teaching mode, and the connection of the traditional classroom and the network information terminal through the digital multimedia technology, the design teaching in the digital information age will eventually bring the design into a new realm.

4.1 Integrate all kinds of network terminals into the teaching of art design organically.

The greatest feature in the information age is that ordinary individuals have the ability to acquire, receive and send information freely. For the public, this process is dependent on various network terminals. With the development of technology, various kinds of network terminals are in an endless stream, the interface is becoming more and friendlier, and the function is becoming more and more powerful. One of the most convenient means of the teaching reform of art design is organically integrate various network terminals into the teaching, to provide a brand-new place for teaching, learning and practice to make the class become the place between teachers and students and the students. This kind of teaching mode can mobilize the students' autonomy and initiative, and choose their appropriate learning section. Play to improve learning efficiency. The rich network information brings about the change of the design specialty in colleges and universities, one is that the way to obtain information is changing; the other is that the mechanism of information screening is changing, and interaction is one of the characteristics of the information age. It will be an inevitable trend of teaching reform to integrate all kinds of network terminals into the teaching of art design.

4.2 Adjust the teaching content appropriately and add the corresponding course.

The digital network in the information age not only gives us unlimited resources, but also presents the characteristics of interaction, which is a kind of renewal to the traditional learning method. In view of the current art design teaching in colleges and universities, it is necessary to have a more efficient education system and a more reasonable curriculum. Therefore, in the professional curriculum should adjust to adapt to the characteristics of the times of the typical curriculum. The main purpose of adding the corresponding courses is to cultivate students' understanding and mastery ability of digital technology, so that students can understand the trend of social development in the information age and master certain digital technology, so as to better meet the needs of the society for design talents. The essence of Art Design Education in the Information Age Let the information network digital technology provides efficient and convenient service for art design. Enrich and develop the theory and practice of art design teaching with new means and technology, the curriculum adjustment should take the cultivation of students' ability as the highest goal, in order to better serve the art, serve the society and serve the students.

4.3 A fundamental way of building a diverse sense of teaching.

The art design in the information age shows the trend of marginalization, the boundary between art and design is becoming more and more blurred, and a pluralistic three-dimensional comprehensive art form has formed. These new artistic ways provide designers with unimaginable creative space and freedom, and open up a new horizon of design thinking. In teaching, we should also give students independent consciousness of exploration, and flexibly apply all the above new contents and new artistic methods to the design work. Only by fundamentally establishing a diversified teaching thinking, can we conform to the reform trend brought by the information age to the society and various disciplines, and create a unique Table that really meets the requirements of the times.

5. Summary

Multimedia information technology has gradually penetrated into various fields of society, and the teaching concept of art design needs to adapt to the requirement of discipline development in the information age through innovation. In the era of multi-media information, the art design specialty<digital image>because it based on the modern multi-disciplinary and new technology, it has the features of technology and art, the expression of multimedia integration, the interaction between people and new media, etc. Moreover, because the professional development time is not long, the construction of professional teaching system still needs to be further improved, and the reform of professional teaching mode will explored and practiced more deeply. Art educators needed to explore actively. The cross-discipline development, organically integrates the network terminal in teaching, properly adjusts the professional curriculum setting, establishes a variety of teaching thinking, makes the traditional art design teaching show the digital, informatization era characteristics, and develops the complex talents that meet the social development needs.

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