The Construction of First-class Course Materials Under the Background of Internet Plus-take "Design Observation and Recording" as an Example

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Abstract: Relying on the rapid development of China's modern information technology in recent years, the design, construction and practice of first-class informatization courses advocated by the Ministry of Education have also developed rapidly in recent years. "Design Observation and Recording" is a traditional outdoor practice course for art major in polytechnic colleges, which is usually set in the first- and the second-year teaching of art major in colleges and universities. As the name suggests, the "Design Observation and Recording" course is a highly comprehensive practical course that combines outdoor sketching and fundamentals of design thinking. Using "Design Observation and Recording" can accurately define core of the course. Although "Design Observation and Recording" is a traditional outdoor practice course, under the background of the "Internet +" education reform and the construction of first-class courses in national colleges and universities, it should also actively explore the construction of first-class courses with the help of modern information means. Based on this, this paper focuses on the construction of the first-class teaching materials of "Design Observation and Recording" under the background of "Internet +", in order to contribute to the promotion of the reform of "Design Observation and Recording" in the new era.

Keywords: "Design Observation and Recording"; First-class courses; "Internet +"; Information technology; Curriculum reform

0. Introduction

Course materials occupy the core position in the teaching and educating work of colleges and universities, which should be challenging, creative and advanced. The Ministry of Education attached great importance to the construction of teaching materials for colleges and universities, and in October 2019 issued opinions on the construction of first-class teaching materials for colleges and universities. The "Opinions" pointed out that 'it is necessary to continuously deepen the reform of college curriculum materials and create a "golden course" that meets the needs of talent training in the new era'. The Ministry of Education has attached great importance to the construction of informatization teaching for a long time. In 2003, the Ministry of Education put forward a notice on the construction of high-quality courses in colleges and universities, which set off an upsurge of using modern information technology to create first-class course materials in domestic colleges and universities. In 2010, a 10-year plan for 2011-2020 information-based teaching construction was formulated. In order to ensure the practical implementation of the "Plan", a series of suggestions on the construction of teaching materials for informatization courses were subsequently issued. So far, a certain number of school-level, provincial-level and national-level first-class course materials have been created in domestic colleges and universities, which have played a crucial role in improving the education level of Chinese colleges and universities. With the rising and using of new information technologies such as big data, artificial intelligence, and virtual simulation in recent years, profound changes have taken place in the way people live, work and learn. With the explosive development of information technology in recent years, a series of new teaching resources such as micro lectures, MOOCs, and flipped classrooms have emerged. The Ministry of Education attached great importance to this and put forward the "Internet +" education reform action in the government work report in 2015, which has become a new focus in related fields.

1. The connotation of the construction of first-class course teaching materials

The foundation of the construction of first-class course materials is the student-oriented educational concept, and the purpose is to cultivate students' high-level abilities. The construction of first-class course materials needs to meet the "three characteristics" standards of innovation, advanced and challenging. Innovation means that the content of course teaching materials, course teaching methods and course teaching effects need to be innovative. The innovative construction of course teaching materials needs to start from the teaching objectives, teaching concepts, teaching methods, teaching content, teaching methods, etc., and integrate modern information methods and subject frontier knowledge into the course teaching materials, so as to meet the students' exploratory learning

and personalized learning needs. Advanced nature refers to focusing on cultivating students' comprehensive ability and literacy. Through the scientific setting of course materials, professional knowledge education, practical ability education and professional quality education are organically integrated into the course materials. In this way, students' comprehensive ability and professional quality can be cultivated, and their abilities to think and solve problems can be improved. Challenges refer to reducing the burden of course teaching, and at the same time increasing the teaching input and teaching effect of the course, so as to improve the output ratio of educational input. Specifically, to design the content of course materials, it is necessary to focus on comprehensiveness, innovation and research, and increase the investment in the cultivation of students' professional thinking level, innovation ability and comprehensive ability, so that students have high-level ability and quality.

2. Problems existing in the construction of textbooks for the course "Design Observation and Recording"

2.1 The teaching concept of teaching workers is backward

In the design and basic teaching of art majors, the traditional outdoor practice teaching methods have been adopted for a long time in the teaching of folk songs collection and sketching. The purpose of its teaching is to expand students' horizons and improve students' aesthetic ability and artistic expression ability. In the traditional outdoor practice teaching of collecting folk songs and sketching, many teachers think that broadening students' horizons and improving students' modeling level and application of colors are all their teaching goals. Over time, the teaching concept has become out of touch with the teaching needs of art observation and recording in colleges and universities in the new era. With the rapid development of the times, college teaching workers need to keep pace with the times, and actively explore personalized and innovative outdoor collection of folk songs and sketching practice courses for art majors, as well as "Internet +" teaching.

2.2 Students are overly dependent on online resources

Art comes from our careful observation of daily life. Therefore, keen observation is the foundation and source of artistic creation, and it is also a professional ability that college art students need to have. With the rapid development of information technology in recent years, people have entered a highly informationized era. People's daily life, work and study are full of a lot of text, pictures, audio and other information. Moreover, the information source channels are very convenient and messy. Although it is very convenient to obtain information resources through the Internet, it is far less profound than touching, watching and feeling personally. Some students choose to complete their works through online pictures and videos for convenience, which can easily make students over-reliant and fall into misunderstandings. Therefore, under the impact of the information age, it is easy for art students in colleges and universities to rely on network resources in their observation and design learning, and their abilities to observe and create are weakened.

2.3 The artistic expression of the work is too monotonous

For a long time, in the course teaching of "Design Observation and Recording" for art majors in colleges and universities, students were asked to describe objects by direct sketching, which resulted in too monotonous and homogenized homework. There are three main reasons for this. Firstly, the collection and sketching courses have long adhered to the traditional way, and regard outdoor painting as the whole of the course teaching; Secondly, the creative tools used by students in outdoor collection and sketching are simple, usually only paper and pencil, and the drawing expression tools are too simple; Thirdly, it takes a long time for students to improve their observation level, aesthetic level and painting level. Students' observation, aesthetics and painting levels are relatively low and basically the same in outdoor collection and normal indoor drawing courses, which leads to the obvious homogeneity of painting works.

3. The construction path of the first-class teaching materials of "Design Observation and Recording" under the background of "Internet +"

3.1 Systematic planning for the construction of first-class course materials

The core idea of the construction of the first-class course teaching materials of "Design Observation and Recording" under the background of Internet + is to realize the deep integration of art major teaching and modern information technology by using modern information technology and exploring network educational resources. With the rapid development and popularization of modern information technology in recent years, some colleges and universities currently use modern information technology to varying degrees in the teaching of art majors. They mainly include: using multimedia technology to make courseware, uploading multimedia courseware to the network for sharing, and realizing the internet access of basic courses. The informatization course materials produced by some colleges and universities are mostly pictures and texts, and there is little dynamic multimedia courseware. Some multimedia courseware pictures are not clear, and the teaching effect is not ideal. In the context of the Internet +, the construction of the first-class teaching materials of "Design Observation and Recording" should be systematic. In the aspects of course declaration, teaching plan formulation, course design, teaching team construction, multimedia courseware production, etc., make full use of the convenient conditions provided by modern information technology, fully tap the advantages of network teaching resources, and establish a systematic and complete network teaching system.

3.2 Breaking the phenomenon of "information island" in the construction of first-class course materials

Since the Ministry of Education launched a series of first-class curriculum construction plans, driven by policies and information technology, colleges and universities have actively held first-class curriculum and teaching materials construction in response to national titles. However, the construction of first-class course materials in many colleges and universities belongs to the construction of "evaluation". They were not put into practical use effectively after construction. Moreover, the lack of relevant publicity and the lack of maintenance investment in related aspects in the later period have led to the separation of the construction of first-class course materials from the actual situation. In addition, there is also a lack of communication and cooperation between universities.

Students in school know very little about first-class courses, which eventually leads to the reduction of first-class informatization courses into isolated islands. In the context of Internet +, colleges and universities should increase investment in the construction, practical application and post-maintenance of first-class informatization courses for art majors, increase the publicity of first-class informatization courses, and strengthen exchanges and cooperation between colleges and universities. Solve the problem that the construction of the first-class course teaching materials of "Design Observation and Recording" is separated from the actual situation, and break the "information island" phenomenon that has existed for a long time in the construction of the first-class informatization course.

3.3 Keeping pace with the times and updating the teaching materials of the informatization courses

At present, among the first-class course textbooks of "Design Observation and Recording" in many colleges and universities, the contents of the informatization textbooks are outdated, and they have not been updated with the times, nor have they followed up on the research hotspots and achievements of the frontiers of the discipline. Relevant surveys show that most art teachers in colleges and universities report that the existing informatization first-class course materials have not kept pace with the cutting-edge content and research results of the current courses. Moreover, the informatization courses of many colleges and universities have not been updated and maintained since they were completed, and the content of course materials has been seriously lagging behind. In the context of Internet +, on the one hand, colleges and universities should strengthen the construction of first-class course materials for informatization, and on the other hand, they should strengthen the maintenance and update first-class course materials for informatization. In addition, they should keep up with cutting-edge research hotspots and research results such as new knowledge and new contents in a timely manner, so as to meet the needs of Design Observation and Recording teaching in the art major under the Internet + background.

3.4 Strengthen the use of online tools and increase the utilization rate of online course resources

According to relevant surveys, there is a lack of interaction between students and teachers and students in the existing first-class informatization courses. Although the level of informatization in today's society is already very high, in most of the course materials of "Design Observation and Recording", there is a lack of online audio-visual audio modules. They cannot achieve real-time communication and interaction between students and teachers and between students. Online learning forums and learning chat rooms are rarely available in course materials. The construction of the first-class course materials of "Design Observation and Recording" under the background of Internet + should be based on the basic concept of "student-centered" and increase the proportion of online learning and communication in the design of course materials. Establish a real-time communication platform between students and between teachers and students through network communication tools, so that students can actively participate in the course teaching. Teachers can answer the confusion faced by students in real time, improve students' learning enthusiasm and the utilization rate of online course resources.

3.5 Building an all-round teacher team that keeps pace with the times

Excellent art teachers are the main body of the construction of the first-class course teaching materials of "Design Observation and Recording", and also the main driving force to promote the reform and innovation of art teaching. The level of the teaching staff determines the construction level of the first-class teaching materials of "Design Observation and Recording". After years of development, the art major in Chinese colleges and universities has formed a large-scale faculty, and there are many highly educated, highly capable, high-professional titles, and young and energetic academic leaders in the faculty. The overall professional quality of the teaching staff has also been improved. With the advent of the Internet + era, teachers and students are flooded with a large amount of fragmented and diverse information. Information update has become very fast, information acquisition channels have become quite convenient, and information acquisition is no longer restricted by time and space. The openness of modern information has had a huge impact on the disciplinary boundaries of art majors, which has gradually blurred the disciplinary boundaries. Therefore, in the context of the Internet +, it is required that the teaching staff of art majors in colleges and universities need to have good professional ability, knowledge level, and the ability to apply modern information technology to develop first-class course materials and carry out teaching. Therefore, in the context of Internet +, colleges and universities should keep pace with the times and strengthen the construction of all-round teachers.

3.6 Use modern information technology to intervene in practical courses

Electronic devices have been widely used in the study and life of college students in today's society. Contemporary college students have distinct personalities and are full of vitality. Moreover, the independent ideology of college students has basically been formed, and they have a strong sense of self-expression. They like to learn through online platforms, and they also like to display their personal hobbies, study status, living status and works through online platforms. Based on this, colleges and universities should combine the characteristics of contemporary college students and use modern information technology to intervene in the practical teaching of "Design Observation and Recording". In the course textbook of "Design Observation and Recording", set up relevant outdoor collection and sketch practice courses. Through the modern information platform, students can receive feedback and comments from different directions, making the outdoor collection and sketching practice course of "Design Observation and Recording" three-dimensional. While meeting the needs of students to obtain information, it can also stimulate students' enthusiasm for learning.

4. Conclusion

Course materials are the main carrier of teaching work. The development of modern information technology has greatly enriched the content of course materials, and course materials are no longer limited to traditional paper carriers. The advent of the Internet + era has not only impacted but also brought opportunities for the construction of first-class teaching materials for the art major of "Design Observation and Recording" in colleges and universities. At the same time, driven by the information-based teaching

construction policy of the Ministry of Education, the art major in colleges and universities should strengthen the construction of the first-class course materials of "Design Observation and Recording" in the new form and the new era, and deeply explore the network education resources. In the construction of teaching materials of the course, the history of subject development, character thinking, and humanistic spirit are organically integrated to enrich the contents, give full play to the advantages of new media platforms, and create excellent courses with the help of modern information technology. At the same time, it closely follows the research hotspots and achievements of the frontiers of the discipline and establishes a three-dimensional and systematic course teaching material under the background of Internet +.

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