

Teaching revolution of online courses

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Abstract: Network teaching, teaching online courses, effective teaching online courses continuous restructuring, triggered a revolution in online teaching, this revolution is based on modern educational technology as a precondition and foundation. The development and application of modern educational technology has spawned a new form of teaching in the information age - online teaching. Modern educational technology is the driving force to promote the network teaching revolution. From the traditional teaching to the transformation of online course teaching, we must not only understand the shortcomings of traditional teaching, but also recognize the importance of effective online teaching.

1. Introduction

Since the 1990s, with the development of computer networks, online education has developed rapidly around the world as a new form of modern education. The information society requires the transformation of traditional teaching into network teaching, from network teaching to effective teaching of online courses, which has triggered a teaching revolution in online courses.

This revolution directly impacts traditional teaching and promotes the development of higher education from elite education mode to popularization and popularization, and promotes the development of exam-oriented education to quality education, so that teaching also changes from inculcating acceptance to interactive construction and innovation. so that online education breaks through the traditional education "paradigm", the contemporary teaching to become a more diverse complex "Paradigm" activities[1], which establish a learning society, improve the system of lifelong education, is of great significance and far-reaching.

2. Teaching from traditional teaching to the network

Traditional teaching has obvious disadvantages, teaching methods are backward, outdated teaching methods, and so on. In the understanding of "teaching" and "learning", traditional teaching has long emphasized "teaching" one-sidedly, and also pursues a good teaching and seeks to improve the quality of teaching. However, due to the lack of specific guidance of good teaching theory, There are situations of inefficient teaching and ineffective teaching.

The arrival of the information society and the era of knowledge economy has ushered in online teaching. Online teaching and network course teaching have promoted the revolution of education and teaching. At present, in China, with the transformation of educational technology from the traditional to the present, the online course teaching has also undergone a gradual transformation, and there are three forms of teaching combined with traditional classroom teaching: the first is classroom-based teaching. And the online course is only a supplementary way of classroom teaching (ie, in the form of Church teaching aid); the second is the combination of online courses and traditional classroom teaching, and the third is the online course as the main form of the whole teaching process. , replacing traditional classroom teaching (ie independent online course format)[2]. It can be seen that modern teaching is a process of gradual transition from traditional teaching to network teaching. This is an inevitable transformation process that conforms to the law. The online course teaching combines the various disciplines of sound, light, electricity and magnetism. It combines functions of listening, listening, reading and writing. This is the result of modern

educational technology. The Internet is a tool that is the product of scientific development. In turn, it serves the teaching. Traditional teaching advocates the main body of students and teachers. In fact, students' enthusiasm, initiative and creativity cannot always be fully exerted. Students attend lectures, read books, attach importance to absorption, and increase knowledge, but their ability to speak and write is poor. This has formed. The situation of heavy knowledge and light ability. Modern online education emphasizes ability, pays attention to operation, has no operational skills and abilities, and cannot learn knowledge. It is necessary to unite the ability to speak and write with the ability of sight and hearing to develop, which goes beyond traditional teaching.

From the traditional teaching to the transformation of network teaching, on the one hand, theoretically, with the generation and development of computer networks, satellite communication networks, mobile communication networks, video conferencing system networks, and 3G networks, we have not yet conducted in-depth courses on online courses. In-depth systematic research, so that there is no new and complete teaching theory in the network course teaching, theoretically, it is not clear what is "network course teaching", many theoretical issues need further study. On the other hand, from a practical perspective, teaching courses in the network and there are many practical problems, urgent need to regulate and orderly study. Without effectively solving the practical problems in the teaching of these online courses, it is difficult to promote the development of modern educational technology and online course teaching. Therefore, continuous learning and mastering modern educational technology is the driving force behind the network teaching revolution.

3. The basic characteristics of Network Teaching

Network teaching refers to the teaching system that uses computer, multimedia and network communication technology to organize teaching, implement teaching and communicate under the guidance of modern teaching theory, thus completing all aspects of the teaching process. Network teaching refers to the teaching theory, curriculum theory and learning theory under the guidance computer Internet as the main communication platform for delivery and professor of subject content and the sum of the implementation of teaching activities. It is a course teaching that is expressed in the form of a network. It has clear teaching objectives, teaching objects, course orientation, course content, teaching activity design, and teaching evaluation design. The online course includes at least the course content, navigation system, resource library and its query system, student management system, interactive system, practice and learning evaluation system. It is an important form of teaching in contemporary society.

Network teaching and online course teaching are different from traditional teaching. It has new characteristics. This is: the first network is the intermediary, tool and platform of teaching. The foundation of online teaching is modern educational technology. Second, there is no classroom, no teachers are present, and there is no paper-printing teaching material. However, no classroom does not mean that there is no teaching platform. The absence of teachers does not mean negating the role of teachers. Instead, it requires teachers to have higher quality. Teachers must have pre-set achievements and become effective teachers. They can compile high-level online courses. Proficiency in online teaching; thirdly, students can learn independently and independently. Students can learn without any teacher guidance at any time and place in time and space, and highlight the enthusiasm, initiative and creativity of students. Fourth, teacher-student interaction Teaching counseling and problem-solving can be carried out online through the use of resource pools such as resource libraries and Q&A libraries. Face-to-face discussions and exchanges under audio and video, and the combination of face-to-face and non-face-to-face teaching in online teaching, thus highlighting the teaching intermediary. The status and role of the network; fifth, teachers and students are inseparable from the network. The beginning of the network teaching and the terminal is a system. Therefore, all these characteristics are judged by Taylor's basic theory of curriculum theory, which is measured by determining the purpose of teaching, choosing educational experience, organizing education, and commenting on educational theory. Therefore, it can fully construct the theoretical system of online course teaching.

Network teaching and network course teaching develop with the development of modern educational technology, and the development of modern educational technology promotes the deepening of the teaching revolution of network course. The revolution of network course teaching has become a major trend on the contemporary educational front. Therefore, it is an important task in today's educational reform to study and master modern educational technology and actively participate in and promote the teaching of online courses. If we do not master modern educational technology and carry out the transformation from traditional teaching to network course teaching, we will not meet the needs of teaching development.

With the advent of the information age, the continuous development of network technology, as we all know, the spread of the network in military, industrial, commercial, economic, political, cultural and educational industries is becoming more and more common. What kind of virtual economy, open accounts on the Internet? Online trading, online shopping and so on, has gradually become a household name. The promotion and application of network in teaching should be attributed to the continuous development of modern educational technology. Network teaching, network course teaching and network distance education are all important contents of modern educational technology specialty research. Therefore, we should conscientiously study the basic theories and methods of network teaching, attach importance to the development of network courses, and pay attention to the development of network courses. Network course teaching design, network course teaching environment design, network course interaction design, network course production quality investigation, network course cost-effectiveness and so on. So as to promote the revolution of network teaching and network course teaching.

4. Effective Teaching of three Network courses

How to improve the quality of online teaching and online course teaching? To this end, we propose the idea of effective teaching online course is recommended for effective teaching and research network programs.

First of all, effective teaching theory, which is a kind of teaching theory in the West today, which is related to constructivism teaching theory and pluralistic intelligence teaching theory. Reflective teaching theory has become a hot teaching theory in contemporary international teaching. [4] there are two main definitions of reflective teaching theory, one is descriptive definition, that is, teaching that can produce effective learning. The other is the definition of flow program, which analyzes each link of teaching effectiveness and the relationship between them by flow chart, and considers the effectiveness of teaching from the point of view of background, process and output. Secondly, the teaching of network courses should also be "effective" and "efficient". Effective teaching. The connotation of network course teaching itself should include three progressive levels: the bottom level is the breadth of teachers and students' participation in network teaching resources, and the middle level is the depth of teaching interaction between network teaching resources and teachers and students. The high-level performance is the validity of online teaching for emotional communication, value adjustment and learning ability between teachers and students. [5] that is to say, the effective teaching of online courses is in the teaching of online courses. Through the efficient "teaching" of the network course and the effective "learning" of the students, the communication and interaction can realize the expected teaching goal of the network course, so as to promote the learning progress of the students of the network learning. A practical activity in which the step and ability are obviously developed. In view of the many problems existing in the current network teaching and the network course teaching, it is very necessary to combine the effective teaching theory with the network course teaching. Thirdly, curriculum is the carrier to realize the teaching goal, and teaching is the basic way of curriculum implementation. [8] Network course teaching is effective and has three levels: first, from the perceptible technical level, modern educational technology is computer. Multimedia, network technology. In network teaching, teaching and learning are manifested as information sender and information receiver, or similar to information sender and information recipient, which are interactive in form. Parallel, open, global, pluralistic, free, shared, equal and non-authoritative.

The second is to think from the rational social level that teaching belongs to social phenomena. Network course teaching has its own teaching law, teaching principles, teaching logic, so it also has its own teaching strategies and methods. Here, it is not only different from traditional teaching, but also related to traditional teaching. The common themes of their research are "teaching" and "learning".

The third is from the aesthetic level of the sublime, from the height to look at the philosophical wisdom, effective teaching online courses, from teacher to student teach efficient Effective science, the pursuit of diverse intellectual development, a derivative of creative ability, practical ability, promote. The comprehensive and free development of people is a kind of teaching art, teaching realm and teaching ideal.

Finally, to realize the effective teaching of online courses and the networking of effective teaching theories, it is necessary to use a variety of teaching elements to construct the theoretical system of effective teaching of online courses, and to create the teaching theory, curriculum theory and learning theory of effective teaching of online courses. Associated with this, but also to achieve effective networking and web-based courses teaching practice effective teaching practice. The four key elements of online course teaching interaction design are: learning content, learning support, teaching strategies and activities of "learning" and "teaching", [7] to construct a practical model of effective teaching of online courses. All these important issues should be brought to our attention.

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