Discussion on Issues Related to the New Normal of Online Teaching in Higher Education

Yuanyuan Meng

Marxism college of Xi'an University of Science and Technology, Xi'an 710054, Shaanxi, China

Abstract: With the continuous development of information technology, higher education has also begun to move towards the direction of information-based education. In order to better keep up with the pace of development of the times, college teachers have also started teaching innovations one after another. In this context, many new forms of education have emerged. In the current stage of higher education, the following two teaching modes are mainly at play, namely the traditional teaching mode and the online teaching mode. However, both models have their own advantages and disadvantages. Teachers should choose the appropriate education model based on the actual situation. The advantages and disadvantages of the two teaching modes are compared, and the new education form and the teaching management and evaluation mode under big data are discussed. The problems existing in online education are discussed in detail.

Under the traditional teaching mode, human civilization has been well inherited and developed. From this point of view, traditional education has played a very important role. At the current stage, with the continuous development of network information technology, education has also strengthened the integration of information technology, thus giving birth to the teaching mode of online teaching. College teachers must continuously improve their information literacy if they want to keep their teaching ideas and teaching methods up to date with the times. And can fully understand the advantages and disadvantages of online teaching, compare it with the traditional teaching mode, so as to flexibly use the two educational modes in teaching, so as to improve the teaching efficiency.

1. Comparison of the advantages and disadvantages of the two teaching modes

1.1 Traditional teaching mode

With the continuous development of information technology, domestic universities have also introduced many advanced teaching equipment, and teachers have also started teaching innovations [1]. However, the traditional teaching methods still play an important role, affecting the teaching mode of teachers and the way of thinking of students. Although at present, most college teachers will use multimedia information technology in teaching, but the actual teaching is still based on the

traditional mode. In the traditional teaching mode, teachers lead the classroom, and students usually learn new knowledge by passively absorbing teachers' theoretical indoctrination [2]. During this process, students rarely generate their own thinking and rarely communicate with teachers in class. Under the influence of the previous teaching mode, teachers have become accustomed to leading the classroom by themselves. Therefore, in the classroom, they rarely interact with the students consciously, but only give systematic and comprehensive lectures, and seldom pay attention to the absorption of knowledge by the students. However, if teachers can pay attention to the interaction with students in the process of applying the traditional teaching mode to teach, the two classroom subjects of the teacher and the recipient can interact in the same time and space, thus ensuring the immediacy of teaching activities. In addition, teacher pay attention to the interaction with their classmates, and will continue to shorten the distance between teachers and students, thereby enhancing mutual feelings. Through the above analysis, we can see that under the traditional teaching mode, the setting of the curriculum system has certain rules, and the teaching process of teachers is also very fixed. Therefore, the requirements for the synchronization of time and space are higher, that is, learners must participate in learning activities in a fixed place. Although this helps to bring teachers and students closer, there are many restrictions on teaching activities and lack of flexibility to carry out. In addition, there are still disadvantages such as backward teaching facilities and outdated teaching contents.

1.2 Online teaching mode

Online teaching mode can only be carried out with the help of Internet information technology. Therefore, from this point of view, the modernization characteristics of such teaching mode are more obvious [3]. In such a mode, the teacher and the learner may not be in the same space, and the two sides are not required to be synchronized in time. This enables the separation of time and space between teaching and learning. In addition, this teaching mode can better display high-quality resources and realize resource sharing. But the problem with this model is that the curriculum is very lacking in systematic planning. And there is no systematic evaluation system to support online teaching. Therefore, in the specific implementation and application, there is not enough complete system as teaching guidance. In the online teaching mode, students become the leaders of the classroom, which affects the effectiveness of teaching information transmission to a certain extent, and makes it develop in the direction of one-way transmission. In such a mode, students cannot get the guidance of teachers in time, so they cannot find various problems in learning in time. From this point of view, the online teaching mode is not conducive to students' comprehensive mastery of knowledge content.

2. Thinking and practice of new forms of education and teaching

Nowadays, if colleges and universities want to carry out teaching reform and vigorously promote it, they must adhere to the concept of students, build a hybrid teaching model, and let traditional teaching and online teaching work together. In practical application, it is necessary to flexibly choose the teaching mode and scientifically design the teaching plan of each subject according to the specific teaching content and various conditions. In this way, the teaching efficiency can be further improved. In addition, teachers should consciously guide college students to stimulate their thirst for knowledge through appropriate means, so that they can learn with a strong thirst for knowledge. And let them strengthen self-management, let them have a strong desire to explore knowledge, so as to consciously self-management, so as to continuously develop self-learning

ability.

Before the teaching activities are officially launched, teachers must make good preparations for teaching. It is necessary to combine the actual teaching content, various conditions of the school, and existing curriculum resources, etc., to do a good job in curriculum construction, platform construction, and environmental construction in advance, so as to formulate corresponding teaching plans [4]. In this process, it is necessary to adhere to the concept of being student-oriented and taking the college as the main body, and design a teaching plan that can stimulate students' interest in autonomous learning. To this end, teachers should prepare carefully, build a systematic and complete teaching work chain, teaching-learning linkage mechanism and technical support team, etc., and continuously improve management systems such as teaching monitoring. At the same time, in order to diversify teaching tools and teaching forms, teachers should carefully design the course assessment mechanism and the teaching result assessment mechanism. Therefore, after the teaching is completed, a specific evaluation of one's own teaching process and teaching behavior is carried out, and under the influence of a variety of evaluation methods, the teaching mode can be continuously improved, so as to continuously improve the teaching quality.

In the construction of demonstration courses, teachers should strengthen the reform of course assessment, do a good job in the preliminary work, and on this basis, carry out targeted reforms on the teaching process of compulsory courses. After the preliminary work is done, it will lead to thinking about the reform of curriculum construction and classroom teaching, and teachers will further enhance the initiative and enthusiasm of the reform. Therefore, through this process, teachers can continuously improve their informatization level and improve their online teaching ability. On the student side, they will increasingly adapt to and recognize the online teaching model, and gradually increase their learning enthusiasm and initiative. This can lay a good foundation for the organic combination of online and offline teaching in the future.

3. Teaching management and teaching evaluation based on big data

The application and promotion of online teaching has changed the management of schools, the teaching of teachers and the learning of students. The most affected are teachers [5]. The use of online teaching mode to carry out educational activities has greatly improved teachers' sense of achievement. Teaching in this mode can make full use of information technology and carry out work such as education quality monitoring. Use the monitoring command center to monitor teaching completion and teaching quality. Online teaching can provide professional teaching quality analysis reports, which include indicators such as teaching satisfaction, teacher-student interaction rate, teacher's class opening rate, and teacher's management effectiveness. By viewing these analysis reports, teachers can more clearly understand their actual performance in teaching activities and the actual effect of teaching, and adjust their deficiencies in a targeted manner according to the analysis results of various indicators. And collect future teaching reports, compare them with previous reports, and understand their own progress, so as to carry out a new round of self-improvement. In addition, with the continuous upgrading of big data analysis technology, the online teaching platform can further record the learning situation of students, and conduct multi-dimensional analysis and portraits of students. In this way, teachers can provide teachers with more detailed information on students, including students' interests and learning difficulties, etc., so that teachers can further understand students' learning psychology and design more targeted teaching plans.

In the learning situation analysis, it is possible to further analyze information such as students'

participation in classroom activities, access to learning time, and students' grades. In this way, teachers can further understand the absorption of knowledge by students, and at the same time, they can also understand the actual teaching operation, so as to make further adjustments. Therefore, this process helps teachers to have a broader understanding of the overall situation of teaching, and helps teachers optimize teaching methods, so that online teaching methods and methods are more scientific and rational. Specifically, you can first grasp the students' learning situation, and then, the course team will organize and review the course resources based on the actual course content. The school inspector conducts careful supervision and inspection of online teaching. The Office of Academic Affairs collects data on all aspects of online teaching in a timely manner, and conducts specific analysis on the completion of various indicators of teachers and the status of students' lectures. To make teachers' evaluations more diversified, comprehensive evaluation can be carried out through student self-evaluation, mutual evaluation among classmates, and one-to-one evaluation by teachers. Managers should be able to flexibly build various index systems, from which to conduct summary analysis, and conduct mobile teaching evaluation and classroom evaluation in combination with teachers' overall teaching situation.

In order to make big data technology better support teaching evaluation and teaching management, it cannot be limited to a single evaluation method, and it is necessary to use the corresponding platform to attract more roles to participate. In this way, the immediacy of evaluation and result feedback can be further ensured.

4. Discussions on online education and teaching

4.1 Methods of organizing online teaching

Driven by online teaching, major domestic colleges and universities are gradually moving towards the direction of teaching informatization, which has greatly broadened the educational resources of colleges and universities. The change of the autonomous learning mode has also changed the teaching organization method and the student's learning quality evaluation method to a great extent, which has led to new teaching innovation. Therefore, it is necessary to clarify the specific work goals first, to be based on the online classroom, to take the college as the main body, to continuously strengthen training services, and to jointly build curriculum resources. In order to better achieve comprehensive coordination, a corresponding teaching work command center should be established to promote teaching technology and related training content. It is necessary to hold regular exchange meetings, so that the relevant leaders and teachers of the educational unit can rely on the corresponding educational platform to organize practical teaching activities and design online teaching plans, so as to realize the effective use of the online platform and continuously improve their work experience.

4.2 Methods to ensure the teaching effect

Schools should closely cooperate with domestic mainstream platforms, select high-quality off-campus course resources to provide platforms, and implement an online teaching model of multi-platform collaboration based on school-based platforms. Only in this way can the preparation of classes be achieved and the quality of teaching be guaranteed. With the help of the distance education platform, both the teacher and the recipient can feel the charm of online teaching. For teachers, in terms of case selection, course setting, program design, etc., they can all be completed through online platforms, and they can conduct online learning anytime, anywhere, and

continuously improve their comprehensive literacy.

In order to improve the overall quality of online teaching, schools should hold regular online exchange meetings to understand students' learning process and learn more about their learning experience. Only in this way can teachers design a teaching plan that is in line with students' learning psychology, so as to further enhance students' learning enthusiasm. Conducting such an assessment can further improve students' comprehensive ability, improve their thinking quality, and continuously improve their ability to analyze and solve problems through online learning.

4.3 Methods to enhance students' sense of presence in learning

Under the new education and teaching situation, the Education Bureau will inevitably continue to develop in the direction of information-based teaching. Therefore, higher education can no longer return to the original classroom model. Therefore, teachers must continuously improve the teaching efficiency under the new teaching mode, and consciously understand the learning experience of students, so as to continuously improve their learning presence. Mainly to focus on the following questions, that is, is it really student-centered? Do students really deepen their learning impressions through online learning? Does the teacher give timely feedback to students? In order to really solve the above problems, teachers must strengthen the introduction, encourage students to participate in online learning, and strive to enhance the fun of online teaching to increase students' participation. From the stage of program design, first clarify the teaching objectives and students' learning tasks. In teaching, we should pay attention to question-and-answer communication, raise students' thinking by asking questions, and pay attention to and guide students' learning in a timely manner. After the teaching activities are over, the results of the teaching should be made public to everyone, so as to truly be student-centered.

4.4 How to make online teaching the new normal

Nowadays, in the context of the continuous development of information technology, the teaching of higher education has become an indispensable part of it without the support of information technology. However, the teaching of higher education is still dominated by the traditional teaching mode. The sudden arrival of the epidemic has caused the educational activities of major colleges and universities to shift from offline to online. This has also greatly promoted the development of online education and teaching. Therefore, under such circumstances, higher education must constantly update educational concepts and integrate new educational models into classroom teaching. We should pay attention to the development of classroom teaching space and focus on teaching innovation. The specific teaching modes and methods are constantly reconstructed, and new educational approaches are explored with the help of information means, focusing on cultivating students' self-learning awareness, and constantly improving the assessment and evaluation system to build a mature online education platform. In addition, it is necessary to encourage the use of various methods to build online classrooms, encourage teachers to make full use of national MOOC resources, and teachers should prepare for the construction of courses according to the actual course content, and plan the teaching time reasonably. It is necessary to choose an appropriate online platform and encourage students to learn independently, so as to further realize the new normal of online teaching.

5. Concluding remarks

To sum up, the continuous development of information technology makes it play an increasingly important role in the field of education. Nowadays, with the continuous changes in the form of education and teaching, higher education is more and more inclined to use information technology when carrying out teaching work. The corresponding online teaching resource library has also undergone initial exploration and rapid development today, and has also shown a good development trend at the current stage. Therefore, college educators must keep pace with the times and continuously improve their information literacy, so as to improve students' learning efficiency through online teaching.

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