Construction of Online Teaching Quality Evaluation and Monitoring System in Colleges and Universities under the Background of Epidemic

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Abstract: Due to the Corona Virus Disease 2019 (COVID-19), the Ministry of education requires all kinds of educational institutions at all levels to achieve "non-stop teaching and non-stop learning" through online teaching, which puts forward new requirements for the modernization of higher education governance. As a new teaching mode, online teaching has become an inevitable trend of education and teaching reform under the background of the epidemic in China. Facing many challenges, colleges and universities should make good use of this emergency measure and opportunity, turn this challenge and helpless action into an opportunity to promote the construction of school education informatization, further improve teachers' information literacy and informatization teaching ability, and constantly deepen classroom teaching reform. This paper will briefly discuss the necessity and Strategies of the construction of online teaching quality evaluation and monitoring system in Colleges and Universities under the background of the epidemic, in order to ensure the teaching progress and improve the teaching quality.

1. Introduction

At the beginning of the 2020 new year, the COVID-19 suddenly came and developed rapidly, and the whole country immediately entered a severe state of war. In the face of the severe situation of national prevention and control of COVID-19, in order to prevent the spread of the epidemic on campus and minimize the negative impact of the extension on students' studies, the Ministry of Education issued *The Notice on the Extension of the Spring Semester in 2020 on January 27*, requiring schools at all levels and types to appropriately postpone the opening time of the spring semester. At the same time, *The Guiding Opinions on the Organization and Management of Online Teaching in General Colleges and Universities during the Epidemic Prevention and Control Period* were issued. The opinion requires colleges and universities to make full and reasonable use of high-quality online course teaching resources, rely on various online course platforms, and actively carry out online teaching activities, so as to ensure the teaching progress and teaching quality during the epidemic prevention and control period, and truly achieve the goal of "non-stop teaching and non-stop learning".

With the rapid development of intelligent information technology and the organic combination of mobile technology and educational process, smart classroom, a new teaching method combining online and offline, comes into being. Nowadays, the network teaching platform system has basically met the needs of colleges and universities to engage in distance education, and the concept of online smart classroom teaching has gradually been recognized by college teachers. Colleges and universities have set up various educational platforms and online teaching resources. Teachers have opened a new online classroom teaching mode in the special period of the epidemic through various teaching modes such as video, live broadcast, mooch class, and with the help of media platforms such as learning link, rain class, QQ group, etc. However, it takes a process for most teachers to change from traditional face-to-face teaching to online teaching. Therefore, strengthening the training and construction of online teaching will help to improve the level and skills of online teaching. What is more urgent is to build a scientific and reasonable online teaching evaluation and quality monitoring index system in time, so that online teaching and offline teaching are homogeneous and equivalent.

Figure 1 The same ideological and political lesson of epidemic prevention and control for college students across the country

2. The Necessity of Constructing Online Teaching Assessment and Monitoring System in Colleges and Universities under the Background of Epidemic

2.1. Meeting the Needs of Online Teaching Characteristics

As a teaching method in a special period, online teaching using network platform is a teaching method that connects teachers and students through computer network and combines the real world with the virtual world for multi-directional communication. Compared with offline classroom teaching, online teaching has both advantages and disadvantages. Firstly, online teaching overcomes the time and space limitations of traditional teaching. Teaching and learning between teachers and students are not limited by time and space, and overcomes the shortcomings of the traditional face-to-face teaching mode. Online teaching has changed the monotonous teaching mode, making the class teaching system and personalized teaching, self-study and other processes more flexible and convenient. Secondly, students' autonomous learning ability needs to be improved, which is different from the traditional offline opposite teaching mode. Online teaching lacks emotional exchanges between teachers and students, which is not conducive to the smooth implementation of teaching and education. In the process of teaching, learners are scattered, which requires students to have a high degree of consciousness and self-control. Online teaching also poses new challenges to the management level of teachers and teaching managers and the monitoring of teaching quality. Thirdly, science and engineering experimental courses are inconvenient to manage, and the network platform is mixed. Some platforms have unreasonable settings for the supervision and management of the teaching process, while others are cumbersome and inconvenient for teaching. Especially in science and engineering courses, more formula derivation is involved in teaching, homework, assessment and other links. Moreover, most courses have course experiments or separate experimental courses. How to conduct online teaching for such practical courses and how to standardize, supervise, supervise and evaluate their teaching quality online are all new topics.

2.2. Meeting the Internal Requirements of Teaching Quality Monitoring and Guarantee

The assessment and evaluation of undergraduate course teaching quality is an important part of the professional quality monitoring system and an important starting point for strengthening the construction of professional connotation. In order to fully implement the spirit of the 2016 five year *Action Plan for the Construction of First-class Disciplines and High-level Universities*, and further standardize and improve the professional system, the science and engineering professional cooperation committees of colleges and universities in all provinces have organized the development and release of the classification and evaluation index system of science and Engineering majors. Among the secondary indicators, "teaching monitoring" is an important indicator of teaching management, including the implementation of teaching management system and the monitoring of teaching quality. Online teaching is a form of teaching. In order to be equivalent to offline teaching, its teaching quality must also be monitored and guaranteed. The existing teaching quality evaluation and monitoring system is mainly based on offline traditional

teaching, which can no longer be applied to this online distance teaching mode. Therefore, it is necessary to build and implement a set of scientific and reasonable online teaching quality evaluation and monitoring index system according to the characteristics of online distance teaching.

2.3. Meeting the Needs of Creating Online and Offline Hybrid First-class Courses

The quality of curriculum teaching is the core element of talent training, which directly determines the quality of talent training. At present, the Ministry of education is implementing the "Double ten thousand plan" for the construction of first-class courses. The construction of first-class majors needs first-class courses as support. Building a first-class undergraduate course (including online courses) requires strict requirements on quality evaluation, and increasing the weight of course evaluation in professional certification and teaching evaluation. It can be seen that the construction of first-class courses suitable for online and offline hybrid teaching is the need of the development of the new era, and the future teaching will be a highly integrated online and offline smart classroom based teaching mode.

The task of the construction of online teaching quality assessment and evaluation system is very urgent, and it has reached the critical time node that we must start the systematic construction as soon as possible. The Ministry of education hopes to build a set of indicators with a mechanism for continuous improvement of teaching quality, which is applicable to both offline traditional teaching and online online teaching, that is, a classification index system for comprehensive evaluation and monitoring of teaching quality of offline and online hybrid teaching mode, so as to evaluate the teaching process of science and engineering majors in the new era more scientifically and reasonably. The Ministry of education aims to comprehensively improve the quality of teaching and talent training by promoting the construction of online first-class courses.

3. Construction Strategy of Online Teaching Quality Evaluation and Monitoring System in Colleges and Universities under the Background of Epidemic

3.1. Reflecting on the Traditional Teaching Evaluation and Changing the Traditional Teaching Evaluation Method

First of all, the traditional curriculum evaluation is always after the end of a semester. However, the learning tasks of students at each stage are different, which may lead to different learning situations of students at each stage and different evaluation of courses. When the course evaluation is put at the end of a semester, the evaluation feedback lags behind, and the teacher can't quickly understand the situation of students and adjust the course in time. Maybe the implementation of the course is easy to be divorced from the actual situation of students' learning. Secondly, the evaluation template is single and lack of flexibility. The classification type of classroom quality evaluation standard is single, and several disciplines share a standard. There is no detailed adjustment according to the characteristics of each discipline, which can not reflect the teaching effect well. The online teaching quality evaluation system solves these shortcomings well. Online teaching hopes to better promote students' classroom participation, improve students' learning initiative, and increase many procedural evaluations. Every few weeks, collect the feedback of students' curriculum evaluation to understand the phased learning situation of students. When students evaluate courses online, teachers can quickly coordinate the feedback data of students and change the way of class in time according to the situation of students. In this way, the teaching effect is greatly improved.

3.2. Improving the Construction of Information Service Platform

In order to improve online course teaching and evaluation, it is necessary to integrate the teaching resource platform and the course evaluation system. When teaching online, teachers should play courseware, use the network to complete teaching, use the network to assign and test students' homework, and organize students to communicate and feedback on the network. To complete these activities, a corresponding network platform is essential. This network platform can help students

obtain teaching materials for independent learning, listen to teachers' teaching knowledge online, communicate with teachers and classmates, and submit their own learning feedback. At the same time, this platform should be able to support the needs of teaching management, and manage, evaluate, feedback, track and so on. The close combination of teachers, students and managers can provide effective services for all groups and ensure the smooth implementation of online teaching. On the premise that the network service platform meets the basic requirements, colleges and universities can design every detail of the platform according to the needs of their own schools, which will not only help to meet the needs of the school, but also help to further promote the improvement of teaching quality. Details can be as small as this module for teaching quality evaluation. For different courses, you can make evaluation schemes for different courses, and you can easily extract them in online classes. The network service platform should have the ability to filter students' statistics of course evaluation data. Remove the evaluation of students with very low classroom participation rate and insufficient integrity, find some effective data to analyze, and form a high-quality feedback. This helps teachers to improve the teaching plan in time and improve the teaching quality.

3.3. Establishing a Continuous Improvement Monitoring Mechanism for Online Teaching Quality

In order to ensure the normal progress of online teaching activities and find problems in the online teaching process in time, we should establish and improve a complete online teaching quality continuous improvement supervision mechanism. At the school level, a supervision group is formed by the vice president, the academic affairs office and the school teaching steering group, which is responsible for doing a good job of overall planning and standardizing online teaching activities. At the college level, a group composed of the dean of the college, the vice dean of teaching, the college teaching steering group, etc. urges the teachers to implement the school level regulations and standardize the teachers to complete daily teaching activities. At the two levels of department and major, a supervision group composed of department heads and professional teachers is responsible for the arrangement of teachers, urging teachers to update teaching content in time, and collecting feedback from students, so that teachers can change teaching methods in time according to the actual situation of students. Each level is both independent and closely connected. Only groups at every level can be conscientiously responsible for their own tasks and implement the requirements of each link, the quality of online teaching will be improved.

4. Conclusion

The establishment of online teaching quality monitoring and evaluation system requires the school to ensure the teaching quality of online teaching through correct leadership and overall planning, and through the formulation of a series of safeguard measures. The establishment of online teaching quality monitoring and evaluation system can effectively ensure the orderly, purposeful and quality completion of the whole teaching activity organization. Through feedback and rectification, teachers are encouraged to constantly improve online teaching methods and methods, improve the effect and quality of online teaching, and ensure that students can seamlessly link from offline teaching to online teaching.

References

[1] Zhanglijuan, Wangyunlong, Zhanglili. Reflections on the evaluation of online teaching quality in Colleges and Universities under the COVID-19[J]. Journal of Jiujiang Vocational and technical college, 2022 (01): 27-31.

[2] Zhangjiqian, Huangshoufang, Xuxinsheng, Cuiguanglei. Construction of online teaching quality evaluation and monitoring system of college courses[J]. China education informatization, 2020 (19): 32-36.

[3] Niudongyu, Jiangxiaomei. Research on online teaching quality evaluation system of Higher Vocational Colleges during the epidemic prevention and control period[J]. Journal of Southern vocational education, 2020,10 (03): 92-96.