

Design and Practice Based on MOOC Mixed Teaching Mode

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ABSTRACT. *With the continuous popularization of the Internet in college education in China, more and more colleges and universities begin to participate in the construction of MOOC education. On the one hand, it is conducive to the further sharing and dissemination of excellent educational resources, which plays an important role in the teaching quality and cultural communication of colleges and Universities. On the other hand, MOOC is also a new way of learning for students. MOOC is universal and easy to operate, which can meet the personalized needs of students. Therefore, based on the analysis of the design of MOOC mixed teaching mode, this paper expounds the importance and guarantee content of MOOC mixed teaching mode, so as to provide effective promotion and reference for the development of China's higher education and MOOC mixed teaching mode.*

KEYWORDS: *MOOC; teaching mode; instructional design*

1. Introduction

1.1 The drawbacks of the traditional teaching model are increasingly apparent

With the development of “Internet +” and the popularization of mobile intelligent devices, the traditional teaching mode has been lagging behind in terms of teaching quality and students' learning guidance. On the one hand, after long term examination oriented education, students are disgusted with the traditional education mode in colleges and universities. There are great differences in the way of thinking. Students are easy to give up learning in the traditional college classroom. On the other hand, the popularity of current mobile smart devices makes students more inclined to learn in the Internet environment. Many students have great interest in micro-courses and online courses, but they do not like the “cramming education” course. Therefore, it is very necessary to improve the current college education by using MOOC teaching. This is also an inevitable trend of the improvement of college education in China in the information age.

1.2 MOOC has opened up new ideas for the reform of teaching mode in colleges and universities.

Studies have shown that formal learning activities only account for 10% to 30% of a person's learning growth, and the remaining 70% to 90% of learning content is to be completed through their own informal learning activities. Therefore, colleges and universities want to improve the education of students in a limited classroom time, it is necessary to grasp the learning time of students under the class, and MOOC teaching just solves the limitations of time and space in college education. Let China's colleges and universities gradually realize the improvement and development of the Internet, and rely on online learning and flipping classrooms to initiate an innovation in the Internet online learning model. In addition, the idea of integrating MOOC teaching into classroom learning is an innovative and advanced teaching and learning reform for students. This kind of learning process of the mixed teaching mode combining traditional classroom teaching and internet teaching is an informational guidance for students. Let students feel the changes brought about by the Internet in the process of learning from colleges and universities.

1.3 MOOC provides a realistic path for the reform of teaching mode in colleges and universities

The mixed teaching model "Blending Learning" aims to preserve the advantages of traditional teaching and solve the shortage of teaching atmosphere and content in the classroom through the advantages of E-Learning, so as to maximize the benefits of both information technology education and traditional education. First of all, from the perspective of teaching content, this mixed teaching mode can well complement the shortcomings of traditional teaching classrooms and textbooks. Through the advantages of MOOC teaching in the resources sharing of colleges and universities across the country, students are exposed to a broader scientific research horizon. From the perspective of students' learning ability and problem-solving ability, MOOC teaching uses video teaching to enable students to more clearly recognize the principles of knowledge. For example, some algorithmic languages and theoretical evolutions have a good performance under MOOC video. MOOC teaching combined with classroom teaching can play the role of key learning and professional improvement. For students, it is also an effective way to learn in advance and review under the class. The ultimate goal is to form a continuous teaching system for college education in China.

2. The effective guarantee of the mixed teaching mode based on MOOC in colleges and universities

2.1 Based on the application and popularization of intelligent terminals

At present, the popularization of MOOC mixed teaching mode in college education environment has already had sufficient hardware conditions. Mobile smart devices have been popularized in the hands of every student in colleges and universities, and have caused some interference to traditional classroom teaching. Therefore, the development of MOOC teaching in colleges and universities is also an inevitable trend in current student classroom life and hardware support. Under the information-based teaching platform, students are no longer limited by the influence of the classroom environment, and can learn selectively at any time and place according to their own learning habits and content defects. On the other hand, the use of smart equipment for college students is also an effective guide. Teachers in the classroom let students refer to MOOC resources for auxiliary learning, which is also an effective way for students to use smart devices correctly and reasonably. For example, colleges and universities now use net class teaching for military management courses and cultural development courses, and have achieved good results in knowledge sharing and information promotion of college education.

2.2 Provide online learning service as technical support

With the development of the Internet information platform, all kinds of industries have derived online teaching resources. For the construction of educational resources in colleges and universities, MOOC has achieved very comprehensive development, whether it is humanities, economics or trade, information technology, and network construction. MOOC has formed a high-quality, comprehensive and systematic Internet teaching classroom through the combination with various universities across the country, especially the combination of some famous schools and famous teachers. Therefore, the current combination of MOOC and traditional education in colleges and universities focuses on guiding students to use MOOC resources under the class, encouraging learners to conduct more mobile learning and fragmented learning, and designing content through MOOC learning feedback. Students are involved in the creation of a shared dynamic learning model.

3. Construction of teaching ecological chain based on MOOC mixed teaching mode in colleges and universities

3.1 Constructing a teaching ecological chain based on MOOC mixed teaching mode in colleges and universities

First of all, we should have a correct attitude towards the use of MOOC mixed teaching mode. The professional courses in Colleges and universities still have a certain degree of knowledge difficulty and content level. The MOOC teaching content is mainly short and concise, so the use of MOOC teaching should be mainly auxiliary teaching. Teachers can teach the key and empty defects according to the MOOC content, so that MOOC teaching can become the supplement and key breakthrough point of their own classroom teaching. Secondly, teachers should be able to arrange students to learn MOOC before classroom teaching, so that students can have a certain understanding of theoretical knowledge in the classroom, and extend the key and difficult points of MOOC content in the classroom. Finally, in the MOOC mixed teaching mode, the characteristics of situational design and interactive teaching should be brought into play. Let students truly realize the fun of interactive teaching in the classroom, which will extend the tutoring of students from the classroom to the extracurricular to truly teach students in accordance with their aptitude.

3.2 Constructing a mixed teaching model based on MOOC in colleges and universities

First, teachers should establish the class creation of MOOC teaching, requiring students to participate in the learning of a high-quality classroom teaching resource, and let students complete the homework contact in MOOC through their own video learning. Teachers and students are in an organization, so that students can communicate with teachers in the process of learning, and sending questions to help other students learn together. Second, in the process of classroom teaching, besides the content of teaching materials, teachers can also take MOOC resources as teaching extension points, and take a certain knowledge point of MOOC resources as teaching materials, so that students can also use MOOC resources for learning in the classroom, and students can have a deeper understanding in the future learning. Third, the current MOOC teaching has arranged corresponding teaching tests and classroom feedback, and has formed a perfect teaching system. Therefore, teachers should also pay attention to the testing of MOOC learning content, and use these content detection instead of their usual text homework. In this way, the quality of the students' learning in the classroom is also very good.

3.3 Change the concept of school management, teachers, and students

At present, the development of MOOC mixed teaching mode has a perfect hardware and resource environment. The only difficulty of creating the mixed teaching mode is how to give full play to the attention of teachers and students to this kind of internet teaching. On the one hand, it is necessary to encourage teaching managers to recognize the shortcomings of current college teaching and the advantages of MOOC teaching in the information age. At present, the classroom teaching in Colleges and Universities The reason for the decline of attraction is not the lack of teachers' ability, but the change of the times and the growth of students' thinking mode. Secondly, the application of MOOC mixed teaching mode is also a huge challenge for college teachers, although many college teachers are impeccable in terms of theoretical knowledge and professional skills. However, how to adapt the teaching content to the students' interest is the new requirement of the current university teaching mode reform, and the ultimate goal of the MOOC mixed teaching mode.

4. Conclusion

In summary, Internet information technology has been applied to all aspects of society, economy, culture and education. Many educational models in traditional life have developed a series of technological innovations under the Internet platform, as an important way for students to improve their development and technological innovation, college education has naturally emerged as an unprecedented opportunity and challenge under the Internet teaching platform. MOOC teaching is an important way of university education under the current Internet platform. Therefore, in the face of the current "Internet +" era, colleges and universities must constantly improve their traditional teaching methods, and form a new teaching mode through the combination of traditional education and MOOC teaching. This will improve the quality of teaching in colleges and universities in the information age, and it will also be an effective promotion for the current development of college students' interest in learning. The dual development of educational effects and personnel training is achieved through the integration of "online and offline", the unification of "teaching and learning", and the integrated development of "teaching and information technology".

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