Research on Computer Basic Teaching Method in Colleges and Universities Based on MOOC Era

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Abstract: In the continuous development of educational technology, the traditional educational methods have met the basic educational needs of universities and University computers. The emergence of MOOC (mu class) provides a new opportunity for the reform of teaching methods. This paper expounds the innovative thinking of computer basic education methods of computer specialty universities and comprehensive universities in the era of MOOC (mu class).

1. Introduction

The large-scale online course of MOOC (MU class) is the product of “Internet + education”, which began in Canada in 2008. After years of development, we have matured. Mooc's teaching content is deeply loved by learners. At the same time, this mode of education has also initiated new challenges for the traditional mode of education. The traditional mode of education will have a profound impact on the innovation of basic education of computer in universities and colleges. MOOC (MOOC) provides a variety of educational resources to meet students'needs for modern educational technology, so as to meet their needs for a variety of learning objects. MOOC is a new achievement of information-based education and a new challenge and opportunity for basic computer education in universities and universities [1].

2. Analysis of the Current Situation of Basic Computer Teaching in Colleges and Universities

In universities, computer basic courses are compulsory public basic courses for all majors, and are the only way for universities and universities to cultivate talents. The goal of computer-based curriculum education not only lays a very important foundation for students'future work, but also enables students to master other uses of computers as modern devices for life and learning. Its education process is too many traditional education models can not be accepted, with the needs of the times, determine and specific technical content and have the most cutting-edge technology era with very strong characteristics. At present, universities have introduced a variety of teaching modes through computer-based education. Despite the use of multimedia technology, it is still unresolved. To a certain extent, it hinders the development of students'innovative thinking and corrodes students' self-learning consciousness.

3. Computer Basic Course System and the Characteristics of MOOC (MU Class)

The education content of computer basic course mainly includes six modules: computer basic knowledge, operating system, words, Excel, PowerPoint and computer network. MOOC routes consist mainly of short and accurate small videos. These features are in good agreement with the characteristics of teaching module based on computer, and MOOC can meet the needs of students for mobile access and fragment learning. The philosophy of education is independent, independent and more creative. This is a new mode of education [2]. In MOOC (MU) classes, classes in the classroom are embedded in a small video. Students should continue to study and review knowledge. Only the questions set by the small video can be answered correctly. This is similar to the game process. Course design can easily make students have a strong interest in learning content. In addition, each MOOC video has a message board. Students can have a dialogue and express their

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opinions on the research content here. It's good learning that can be formulated. The atmosphere creates a forum for the corresponding courses. If students have problems, they can consult teachers online, and they can talk with teachers and students, and can communicate. This mode of education provides convenience for both teachers and students, and improves the efficiency of education.

4. Research on the Basic Teaching Method of Computer in Colleges and Universities in the Era of Muchi

University and university computer courses use MOOC professors to achieve wider resource sharing. As shown in figure 1.

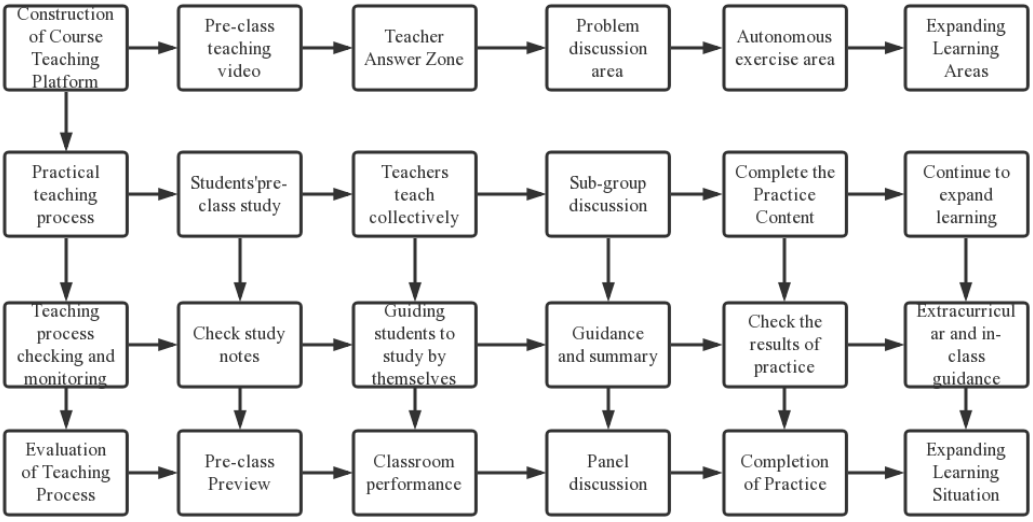

Fig.1. Teaching model

4.1. Changing the role and position of teachers in the teaching process

In MOOC education, teachers change from traditional education mode to student-oriented learning mode, teaching them the way of learning rather than giving them knowledge. This requires sufficient distance learning skills so that teachers can lead students anywhere. Teachers can fully understand students, formulate scientific and reasonable learning plans according to their characteristics, help students complete their learning tasks, and enable them to learn self-learning technology, training and strengthening independently.

4.2. Colleges and universities should reasonably use the teaching resources of mu course

MOOC method of computer basic education, platform “sharing”, “open” and “interactive” advantages, but to give teachers in order to learn basic computer knowledge module in accordance with the needs of students to produce video in small. In addition, it is necessary for teachers to set up classroom exercises, discussion questions and forum contents according to the conditions of class. The setting of these links, it is necessary to improve the attention of learning content, in addition, content reflects the age. The point of view should be the novel that students can create. What I am interested in learning is to create a good learning environment similar to that in a classroom. In this process, teachers can participate in the discussion and answer of problems that students can not solve. That is to say, MOOC class provides very convenient and flexible services for teachers'teaching and students' learning. Under the guidance of mooc, the educational efficiency of teachers and students has been improved to a certain extent, and the educational expenditure of universities and colleges has been saved.

4.3. The change of students'role in education

In traditional classroom teaching [3], teachers are basically passive acceptance according to students, almost all of the students'initiative. They do not take active learning consciousness. The learning process is that teachers are often “left” according to the content and time of MOOC classes.

Students are free to respond to their content research. In addition, students can ask questions you don't understand and discuss topics of interest to you. Teachers can also actively answer the questions raised by students in the process, and because of this, students can have correct discussions, thus improving the basic knowledge of computer science students. Effect. In addition, after choosing the route, complete the homework, participate in group discussion community, participate in homework evaluation, site testing, participate in their own interests, learning conditions, response time and other selection routes, which contains the MOOCS platform can be used. The purpose of MOOC education is for students to be interested in the content of MOOC. The quality assessment of MOOC is the frequency of course learning. After completing the research, they can evaluate the course online and receive MOOC education. Online evaluation method can realize the transparency of line evaluation and promote the continuous improvement and improvement of line quality.

4.4. MOOC educational management: a reasonable and effective approach

Universities should be managed scientifically. There are MOOC classes in which students are registered as the platform of their own classes [4]. The classes with a sense of identity are registered independently. According to their specific circumstances, in order to complete the research, the scientific selection of knowledge module of basic computer courses is made. In the process of students'learning, MOOC solves the problem of computer basic theory course. Students'practical courses need universities to rearrange their practical content according to the theoretical part. The school computer classroom is the best. The teacher unified the students in the computer room for practical exercises. Through practical courses, if they find the basic knowledge of computer learning problems, then they can re-learn knowledge. Therefore, the development of reasonable MOOC education management methods can effectively improve the quality and efficiency of MOOC teaching.

4.5. MOOC education curriculum evaluation method

MOOC teaching mode stimulates students'interest in learning and improves the quality of teaching. However, due to the lack of supervision in the learning process, students know how to study actively, which limits their self-control ability. Susceptible to the influence of the surrounding environment, learning effect is certain [5].

5. The Advantage and Function of Mixed Teaching Model in the Teaching of Electrical and Electronic Majors in Vocational Schools

5.1. Accord with the needs and characteristics of students

Nowadays, with the continuous development and popularization of Internet, the way that students can log in through mobile devices and mobile phone information knowledge is becoming more and more popular. Since then, the change of learning style of vocational students is continuing in school classes. The various uses of Internet, multimedia and mobile terminal are learning at any time and anywhere [6]. Innovation is very effective in the use of fragmented time and mining for students. Comprehensive integration of innovative education methods such as micro-curriculum and network education, so that students can carry out mobile learning at any time and anywhere in Secondary Vocational College Students'learning needs and characteristics

5.2. Is very rich in content

Mixed teaching model includes various online innovative education methods, such as online teaching and micro-teaching. These contents are very rich, not only these, but also allow students to do an independent pre-research, summarize and reflect their comments in the school. In the rich mixed education model, effectively expanding students'knowledge, teachers can also simply understand that simple micro-route records can understand obstacles or misunderstandings in the learning and education process, and upload, online education platform [7]. Teachers can download and watch their choices. In addition, for the specific process of actual operation, teachers can

enhance their memory and understanding of students through videos and photos on the online education platform.

6. The Development and Application Strategy of Mixed Teaching Model in the Teaching of Electrical and Electronic Specialty in Vocational Schools

6.1. Development and application of mixed teaching model in pre-class links

Before the formal start of the curriculum, teachers must study completely, explore the educational standards and conditions prescribed by the curriculum, investigate constantly, summarize students'learning psychological characteristics, question D, and participate in classroom teaching. Analyse, plan and design the implementation strategy of classroom education, scientifically divide the educational process [8], teaching time and teaching methods, and finally develop a relatively complete education implementation plan. For example, in the guidance of the voltage and scalar potential of the “electrical foundation” line, teachers are difficult to conceptualize the curriculum. According to the relationship between voltage and potential, micro-lines are made, and then a network education platform is developed, which can be uploaded. In order to prepare students for self-learning before class, teachers can understand students'learning and understanding through micro-video and answer questions and questions online.

6.2. Development and application of course mixed teaching model

At the beginning of the class, teachers can collect data in advance through the online education platform to analyze the problems encountered in students'autonomous learning, and students can understand the emergence of learning [9]. After misunderstanding and difficulties, teachers can further carry out classroom teaching according to their own teaching design and plan, and guide students to actively participate in classroom practice activities and joint discussion process. At the same time, in the course of classroom teaching, classroom teachers will pay close attention to students'learning feedback, so the teaching content and strategy will be adjusted according to the actual situation of the classroom. At the end of the classroom lecture, the class teachers can organize several classroom exercises according to the actual needs of the classroom teaching content, so they should continue to merge together to strengthen students'knowledge learning.

6.3. Development and application of mixed teaching model of school activities

After classroom education, teachers organize expansive learning textbooks according to the application of “voltage and potential” in their daily life [10], and upload them to the online education platform so that students can learn independently and experts can continuously improve their knowledge. Then there is learning technology. At the same time, teachers can also perform on-line Q&A on homework students'difficulties and difficulties, and do some statistics and records related to common learning problems.

7. Conclusion

This paper summarizes the development and application of Hybrid Teaching Mode in electrical and electronic specialty education in Vocational schools. While the existing call mode is complementary and effective, students can continue to improve their learning efficiency and quality.

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