Research on Blended Teaching Model Based on Spoc

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Abstract: With the development of the Internet and mobile terminal equipment, a variety of Internet based network teaching has been carried out at home and abroad. College open online course is the integration of technology and education, due to its advantages, it has become popular all over the world. According to the research problem, this paper constructed the blended teaching model and multiple evaluation system based on SPOC (Small Private Online Course), and put it into the course Modern Educational Technology. Ideological and political theories teaching in all courses is introduced into this blended teaching model. By using the blended teaching model based on SPOC, it is helpful for strengthening interaction of the classroom, promoting the communication among students and improving ability of students’ innovation.

1. Introduction

1.1 The teaching model based on mooc

Massive open online courses (MOOC) is a large-scale open online course. Owing to the poor self-discipline and the lack of autonomous learning consciousness, high abandonment rates are caused in the MOOC online learning model. Therefore, the traditional face-to-face teaching model and the MOOC teaching mode are combined. We can assign tasks online and the students can finish their self-study in advance, then the teachers should check the students' self-preparation through questionnaires before class. According to the problems encountered in the preview, teachers can explain carefully in the process of the class, checking the students' mastery of specific contents through the MOOC platform after class. After class, teachers should arrange homework and students should complete the supplementary learning of the insufficient part of the lesson. Students interact with the teachers through the MOOC platform, discuss the remaining problems that they do not understand with the teachers, and complete the online review notes [1-2].

Relying on the blended teaching mode based on MOOC, students can freely learn resources on the self-learning platform and expand their knowledge. Under the guidance of the teachers, they solve problems encountered in the self-study process and realize the exchange between classroom and extracurricular.

Although the blended teaching model based on MOOC has many advantages, it also has many disadvantages. Because of the large number of students, teachers cannot pay attention to all of the students. Some students with poor self-control ability may not go through relevant previews, questionnaires and tests. This situation causes the effect of large class teaching is not very satisfactory, so it is important to introduce SPOC (Small Private Online Course).

1.2 Mooc to Spoc

The introduction of MOOC has enriched the traditional classroom, but it also has many disadvantages. Most of the students' use of the MOOC platform is driven by their teacher, few students can consistently and willingly use the MOOC platform. The wide range of object-oriented courses makes it impossible for one-to-one communication between teachers and students. The MOOC teaching model can easily cause some students to be ignored. Therefore, the introduction of small-scale private online courses (SPOC) is indispensable, students enter different areas to study at different levels, which is convenient for teachers to provide targeted and focused guidance. Using effective methods such as videos and micro-classes to increase the attractiveness of courses and
enhance students' interest in learning. In addition, the SPOC platform can help teachers realize the flipped classroom [3].

The teaching plan under the flipped classroom puts absorption time of knowledge before the class, so that the time of students exploring questions in the class becomes longer. Besides, teachers are able to focus their attention on few students, which offers the chance of caring for every student.

2. Features of modern educational technology courses

This study selected the course Modern Educational Technology as the research object, which covers a wide range of topics, including text, image, animation, sound, video processing and their comprehensive applications. In addition, it also involves teaching design and evaluation. The comprehensive teaching content has increased the requirements for teachers and teaching environment. Nowadays, sound, text, pictures, animation, and video are more and more widely used in teaching. Learning how to process this information is helpful for teaching.

The main reasons for choosing modern educational technology as the research course in this research are:

First of all, the Modern Educational Technology course contains both a theoretical part and a practical part. The course has a large amount of learning content, the technology is updated quickly, the number of lesson arranged by the school is not enough, and students do not have corresponding learning resources after class.

Secondly, teaching content is lagging and teaching resources are scarce. Teaching material were published a few years ago. Many schools' teaching materials and teaching content are based on teaching textbooks. Many of the content and knowledge are too late to update. In actual teaching, many operations have been updated, the content taught by the teacher is not consistent with the actual operation. The learning resources of students are basically only the materials and textbooks of teachers. The teaching resources are relatively small as well as the multimedia teaching resources.

Finally, the learning objectives of the Modern Educational Technology course require teachers and students to use the ideas and technologies of modern educational technology to promote and push forward the reform of teaching methods in primary and secondary schools and improve the quality of teaching in primary and secondary schools. Therefore Modern Educational Technology courses in colleges and universities mainly evaluate works, and other teaching content, such as teaching design, information literacy training, and course evaluations, have less time to study due to class hours and other reasons. It is even more difficult for learners to master [4-6].

The course learning in the Internet era is rich in resources and updated quickly. The communication between teachers and students or students and students is convenient and fast, and crosses regional restrictions. The content of Modern Education Technology courses is rich in both theoretical knowledge and practical operations, so Modern Educational Technology is selected as a practical course, and it will be more useful for other courses in the future.

3. Combining course education with SPOC

With the development of SPOC, students’ self-learning ability and innovation ability have been improved, but there are still loopholes in the education of students' ideological awareness. Ideological and political theories teaching in all courses is introduced into the classroom to strengthen the ideological education and value in the course teaching process. Aiming at guiding students to establish the correct outlook on life, values, and worldview, through innovative teaching methods, enriching curriculum content, optimizing teaching design, improving classroom management and so on, incorporating socialist core values and other ideology into curriculum teaching activities, forming a strong atmosphere of the school's entire staff, the whole process, and all-round education [7].

We can take the Ideological and political theories teaching in all courses as goal, combing with blended teaching model based on SPOC for course teaching reform. We sort out the ideological and political education elements and ideological and political education functions contained in the
course such as Modern Educational Technology, integrate them into every link of classroom teaching, and seamlessly integrate ideological and political education into the curriculum teaching to realize the trinity teaching aims of value shaping, ability training, and knowledge transfer, the schematic diagram of blended teaching model based on SPOC is shown in Figure 1.

4. Multi-dimensional evaluation system

In order to deepen the informational teaching concept, evaluate students more objectively and fairly, this paper introduce a multi-dimensional assessment and evaluation system, increase the proportion of process assessment and weaken the traditional one-time qualitative assessment system. We combine process and summative evaluations, focusing on the usual assessment, standardizing the assessment indicators of ordinary performance (practical evaluation and process evaluation). The practical evaluation is based on the actual actions of the students. Process evaluation can be divided into prep before the class, questionnaire online, Questions in class, test online, assignment and independent review offline.

5. Conclusion

Teaching plan of the blended teaching model base on SPOC is more complex, which is capable of making timely detection of students’ learning. From the perspective of design conception, teaching plan of the flipped classroom based SPOC starts from students’ learning, which reflects the idea of the new curriculum ideas better and stimulates students’ interest in learning. As the roles of teachers, teachers become the promoters of the students’ learning instead of the orders or commanders, and the students become the core of the classroom. In the SPOC model learning, teachers take a great part in helping students, and try their best to create situations to help students construct knowledge. From the perspective students’ involvement, the involvement of students in the classroom improves greatly before the class as well as in the process of the class. Before class,
students learn independently under a relaxing atmosphere. In the process of learning, students work in small groups to participate in the cooperative inquiry, learn to think and learn innovative in the process of exploring issues. Students turn from passive learners to the builders of the knowledge. From the perspective of the time of teaching and learning, the teaching plan under the SPOC platform puts absorption time of knowledge before the class, so that the time of students exploring questions in the class becomes longer. Besides, teachers are able to focus their attention on few students, which offers the chance of caring for every student. From the perspective of teaching efficiency, the atmosphere of the class is more active in the flipped classroom based SPOC than in traditional class. What is more, through experimental analysis we find that students’ scores are better than that of traditional class.

Finally, we should point out that the blended teaching model based on SPOC is not overthrowing the traditional teaching model, but changing views of teachers, students and classroom.

In the process of teaching activities based on SPOC, students become the subjects of the classroom. By careful arrangement of teaching environment, and proper arrangement of teaching activities, teachers make full use of techniques and make them become more human. By using the blended teaching model based on SPOC, it is also helpful for strengthening interaction of the classroom, promoting the communication among students and improving ability of students’ innovation.

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References