

# **Construction and Exploration of Online Courses under the Flipped Classroom Teaching Model**

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**Keywords:** Flipped classroom model; Online course; Construction and exploration

**Abstract:** Flipped classroom teaching mode is an important teaching method. It puts students in the main position of teaching work, so that students can learn independently in the classroom, and then master knowledge. Flipped classroom model can cultivate personal expansive thinking, so that students have a higher and more comprehensive quality. With the rapid development of network teaching platform technology, online education can effectively promote students' learning and improve the teaching effect of colleges and universities. Under such preconditions, this paper hopes to combine the flipped classroom teaching mode with online curriculum education, complete the reform of college education, and let colleges and universities cultivate more comprehensive talents for the motherland.

## **1. The Current Development of Online Courses**

After entering the 21st century, with the development of science and technology, information technology and smart phone technology, human society has entered a new era. Today's society is already an information society. Under the background of this era, the traditional teaching mode has been greatly impacted. In the midst of challenges, educators should find new opportunities and combine traditional classroom teaching and Internet technology to strengthen students' sense of participation, so that students can actively learn. Online course has been integrated into the teaching work of many colleges and universities. The educators can foresee that the online course teaching mode will become an important teaching method in the future higher education.

Although the online course teaching mode has been popularized in Universities for some time, there are still some problems in the existing online course teaching platform.

### **1.1 The connection with students' professional ability is not close enough.**

Although the teaching mode of online courses can reduce the workload of teachers, the existing online courses often only focus on the cultivation of students' abilities in a single subject, and cannot combine students' learning with their practical needs and professional skills. This leads to students' learning through online courses, only learning some basic theoretical knowledge and lacking practical operation water. Ping. Such talk on paper is extremely disadvantageous to the cultivation of students' professional ability and subsequent employment, and will also reduce students' enthusiasm for learning to a certain extent.

### **1.2 Lack of interaction leads to students' low enthusiasm for learning.**

At present, the teaching of online course platform is more to present the contents of the teaching materials directly in the network teaching platform, lack of highly concise knowledge and summary, resulting in students' learning can only learn the knowledge in textbooks, lack of interest, which has caused a certain blow to students' learning enthusiasm. At the same time, teachers make less use of online courses on the network teaching platform, which leads to online courses cannot play their role effectively, which is extremely harmful to students' learning.

### **1.3 The technology of online courses is seldom used in classroom teaching.**

The promotion and popularization of online course teaching mode has a certain time and scale, but it is seldom used in the classroom. For example, in the English teaching work of colleges and

universities, the main task in the classroom is to complete the explanation of teaching courseware and textbook knowledge. The online course is often completed by students through the network platform after class, such a teaching model. The task-based online course teaching is regarded as a task, and students will concentrate on completing the online course at the end of the semester. This task-based online course teaching is useless, and even causes a waste of time for students, which is extremely harmful to students' learning. Therefore, in the teaching work, the teachers must improve the importance of online courses, so that online courses play their due role in the classroom.

## **2. The Concept of Reversing Classroom Education Model**

In the past, classroom teaching is to enable students to learn basic knowledge in the classroom, and to exercise properly after class, so that students can effectively grasp the knowledge they have learned [2]. Under such a teaching mode, students can only learn passively and cannot complete the subject study through their own understanding, which is extremely disadvantageous to the cultivation of students' ability to think independently, and students' learning enthusiasm is not high, which will greatly reduce the teaching effect of the classroom, and cannot effectively complete the classroom teaching.

The development of flipped classroom teaching mode is closely related to the rapid development of information technology and science and technology. The development of information technology makes it easier for students to understand the outside world. Therefore, the Internet can be used as a medium for students to find more teaching videos and exercise materials in the network platform, and then to complete themselves. In order to further study and strengthen their mastery of knowledge, the teaching mode of Reversal the classroom is to take students as the masters of learning, in which the teacher is responsible for guiding the direction and helping students complete the classroom learning. In the flipped classroom model, students need to watch online courses in the network teaching platform for the basic learning of knowledge and complete the basic learning of theoretical knowledge. In the classroom, teachers are mainly responsible for solving puzzles and answering questions for students, and pointing out the direction of learning, guiding students to complete classroom discussions, exchange ideas with each other, and then complete the teaching work.

In the course of the development of the previous education model, there are also some methods to carry out education through video teaching, but they have not made a wide impact. This is mainly due to a series of shortcomings of the previous teaching video, such as the video is too lengthy, the knowledge structure is too complex and unsystematic, and it cannot be reviewed. However, with the development of information technology, these problems have been well solved. Teaching videos are short in duration, clear in content and can be watched many times. This makes it useful to turn over the classroom model.

Flipped classroom is a subversion of the traditional education model, and it also puts forward higher requirements for students' autonomy. At present, there are still many shortcomings in this mode, and teachers need to improve it in practice to achieve greater development and further promotion.

## **3. The Significance of the Combination of Reversing Classroom Model and Online Course in Higher Education**

In the academic circles, scholars have begun to study the teaching methods that combine the flipped classroom teaching mode with online courses. In the process of applying the teaching mode of flipped classroom, teachers need to use the means of online course, but online course teaching is not the only means. Teachers also need the assistance of other means to carry out the teaching work [3]. Reversal the classroom teaching model can enable students to effectively master knowledge, and then do the opposite. It has a profound grasp and understanding of theoretical knowledge and practical skills. In the teaching of flipped classroom, students often learn online courses before class, and the time is relatively short. Therefore, in the learning of online courses, students must focus on

the difficulties and key points of the subject. At the same time, this part should be explained in the classroom, so that students have a good grasp and understanding of this part of knowledge. In addition to the classroom, students should also be given some practical homework, so that students can apply the theoretical knowledge they have learned to practice, so as to better grasp the knowledge and improve their ability.

Through the combination of the flipped classroom model and online course teaching and the traditional teaching model, it can be found that under the flipped classroom and online course teaching model, students' academic performance has been improved to a certain extent, while students' thinking has been expanded, so that students' theoretical basis and practical skills have been improved, for students' academic growth and subsequent employment. Work is of great benefit. It is found that under the new teaching mode, students change from passive receivers of teaching to masters of learning. Teachers guide students to learn, and students' autonomy has been greatly strengthened.

#### **4. The Feasibility of Combining Flipped Classroom with Online Course**

The teaching mode of flipped classroom is to let students learn the subject through the learning of some short teaching videos. In the classroom, students are mainly responsible for explaining some difficulties and key points in learning, and for exchanging ideas among students through discussion, so as to broaden their thinking. Online course, as a teaching means, enables students to learn video teaching in the network teaching platform, and complete exercises and corrections of some exercises, so as to enhance the learning effect [4]. It is not difficult to find that there are similarities between the two teaching modes, so the combination of the two teaching modes can be expected. In the process of integration, teachers need to change the two modes to a certain extent, so that the two modes of teaching can complement each other and better serve the development of students.

#### **5. The specific method of combining Flipped Classroom model with online course**

In order to combine the flipped classroom model with the online curriculum and serve the teaching better, teachers must change the educational concept, let students become the masters of learning, and let them realize that they are responsible for their own future. Therefore, educators should conceive a reasonable and effective way to combine them aimed at the combination of the two teaching modes.

##### **5.1 Improving the form and content of teaching reasonably**

Whether it is flipped classroom mode or online course teaching, it emphasizes the students' sense of ownership, so that students can actively learn knowledge. Therefore, before classroom teaching, teachers should let students learn teaching video through the network teaching platform, so as to have a certain understanding of the key and difficult points in teaching and the knowledge they cannot effectively grasp. Then students can focus on learning this part of knowledge in the classroom, and strengthen their own mastery of knowledge [5]. At the same time, in the process of making teaching videos, teachers should also combine some practical examples to complete the explanation of knowledge, enhance the interesting of teaching videos, and then attract students' attention, so that teaching videos can play a better role.

In the classroom, teachers should let students actively carry out group discussions, according to the level of basic knowledge of students, reasonable grouping, to ensure that students can effectively grow up in the discussion, exchange ideas with each other. This can also facilitate teachers to teach students in accordance with their aptitude. For some students with weak foundation, teachers should devote more energy to help them learn and grow. Besides the classroom, teachers should also arrange some discussing or practical homework appropriately so that students can put the knowledge they have learned into practice. Time is the only criterion to test the truth. Students can deepen their understanding and better grasp the knowledge they have learned in the

process of practice.

## **5.2 Combining Flipped Classroom and online course mode, constructing reasonable and complete teaching evaluation system**

The traditional teaching evaluation system only judges the teaching effect by the students' academic performance. Such an evaluation system is single and unreasonable. In order to achieve a good combination of the flipped classroom model and online courses, it is necessary to build a more fair and reasonable evaluation system, so as to evaluate the teaching work. The evaluation of teaching work should be evaluated comprehensively from three aspects: online course teaching, classroom teaching and students' achievements.

For online teaching, it depends on whether the short video produced by the teacher is effective in summarizing the knowledge learned and explaining some difficult points in detail; for the evaluation of classroom teaching, it depends on whether the teacher organizes the students to discuss effectively, and whether the puzzles of the students are effectively answered. At the same time, the students are in the classroom. Deny that the study is really completed; evaluate students' performance, teachers should consider from two aspects: after-class practice and examination results. After-class practice effectively reflects students' understanding level and practical ability. Examination results are more focused on students' theoretical level. Only by comprehensive rating from these aspects, the evaluation of teaching can be completed, and then effectively recognize the advantages and disadvantages of the flipped classroom model and online course teaching, so that teachers can timely correct the deviation in the combination of the two.

## **5.3 Increase the use of information technology in teaching**

In order to combine the flipped classroom with the online course, teachers must use the information technology to complete the teaching work, and the rapid development of information technology also provides more possibilities for this combination. The network teaching platform constructed by information technology can make it more convenient for us to carry out video teaching, online answers and other activities, and make communication between students and teachers more convenient. At the same time, the network teaching platform is also the basis of the flipped classroom model and online course teaching. Promoting the application of information technology can make students' learning more convenient [6].

Moreover, for students-class autonomous learning and after-class exercises, they can be completed through the network learning platform, which can directly and effectively guarantee the effect of students' learning and practice. It also reduces the time for teachers to review students' exercises and greatly improves the efficiency of teaching.

## **6. Conclusion**

With the rapid development of the times, China has put forward new goals of teaching reform in Colleges and universities. The traditional teaching mode of colleges and universities cannot meet the new needs gradually. Therefore, teachers should recognize the situation, change the education mode, combine the flipped classroom mode and online course teaching, and complete the teaching work relying on Internet technology. Educators must redesign the teaching content of institutions of higher learning, improve the evaluation system of teaching work, and strengthen the application of information technology in teaching, so that the combination of flipped classroom and online courses can truly serve the cause of education.

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