

# Study on the mixed teaching mode of independent college based on Moocs Concept

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**Abstract:** Moocs is an online course development model that has emerged recently, which has the advantages that traditional classroom teaching mode cannot match. Based on the current situation of classroom teaching in China, it is of great importance to reform the classroom teaching mode with Moocs. Mu class concept, combined with the advantage of independent college classroom teaching mode, according to the course category, this paper puts forward a new independent college classroom teaching model, layered hybrid teaching mode. Combine the course category, choose different online and offline deep and shallow fusion mode for basic courses, major compulsory courses and professional elective courses. To ensure the building of the layered hybrid classroom teaching mode, the school system and mechanism construction, software and hardware technology condition and the aspects such as teachers and students information literacy adequate, the corresponding management system of colleges and universities need to develop or reform as the basic security, increase the flexibility of the management system of colleges and universities and elasticity.

**Keywords:** Moocs; Independent College; Classification Mixed Teaching Mode

## 1. Introduction

Nowadays, the independent college is a new type of school-running mode with higher education, which is a kind of gap between education teaching and education college. The purpose of independent college is to cultivate students' ability of discovery, independent problem-solving and comprehensive talents who can create great value for the society. But most of the independent college in the reality of teaching in our country or in the manner of his Alma mater sharing of teaching resources, take the Alma mater has always been the teaching system of situation assessment for regular undergraduate study, teaching contents and teaching materials with ordinary undergraduate basic same. So in this case, you can see that the teachers in the school don't feel relaxed about the work. From various phenomena, it can be found that the teaching situation of ordinary colleges and universities no longer meets the demand of independent colleges for talent cultivation.

With the rapid development of science and technology in recent years, the demand of MOOCS should be born at the time of The Times, and it has set off a widespread upsurge in the world. MOOCS has the advantages of large scale, openness, high quality and low cost, but it also has shortcomings such as incomplete learning experience, lack of learning interaction, difficult evaluation of learning effect and integrity problems. From the reality, we can realize that moocs can not completely replace the

traditional curriculum teaching in our country. As lu fang, vice President of the independent school of fudan university, said, the education reform and the new teaching mode brought by moocs are much more important than joining moocs[1].

Nowadays, the research and practice of moocs in China has entered the innovation stage of localization application[2]. Under the rapid development of moocs today, it is of great value to build a new teaching mode for independent colleges by combining with advanced moocs.

## 2. Construction of the Mixed Teaching Model

By putting a lesson for philosophy and the current in the independent college classroom by the advantage of each other together, and then fused curriculum classes, thus this paper put forward the new mode of independent college classroom teaching "stratified teaching model". Our country most of the independent college courses generally fall into the public foundation courses, professional basic course, professional required courses, specialized elective course and practice course, and then combined with the new concept of MOOCs, carried out in accordance with the different types of courses related to the degree of mixing. In this paper, professional compulsory courses and professional basic courses are taken as a new professional course, while individual elective courses are selected as an elective course. Therefore, in this paper,

we focus on the public basic courses, elective courses and specialized courses about teaching mode design.

**2.1. The teaching mode of the specialized course which is supplemented by the learning of network resources is the main channel of classroom teaching**

In the independent college is run by the professional course in research in the students' interest in different professional in order to be able to set up professional foundation and core courses, specialized courses of purpose is in order to be able to for students to learn professional knowledge and the ability to use the skills of the students into the society. By drawing from behaviorism learning view of "stimulus - response - strengthening"[3], especially for teachers in the classroom teaching and management of special emphasis, use over and over emphasis on step by step, and many times of practice of students for reinforcement learning professional knowledge. In addition to through the analysis of the students' psychology and the cognition of things, emphasis on "learning" is mainly a meaningful accepting study, emphasis on the implementation of the new teaching system can be assimilated with the students' psychological cognition, promoting students' thinking, brain, so in this case you need to use of the resources of the network fully supporting learning. Therefore, in the following article, we will carry out relevant analysis from three aspects related to teaching structure, operation process and teaching evaluation.

**2.1.1. Teaching structure**

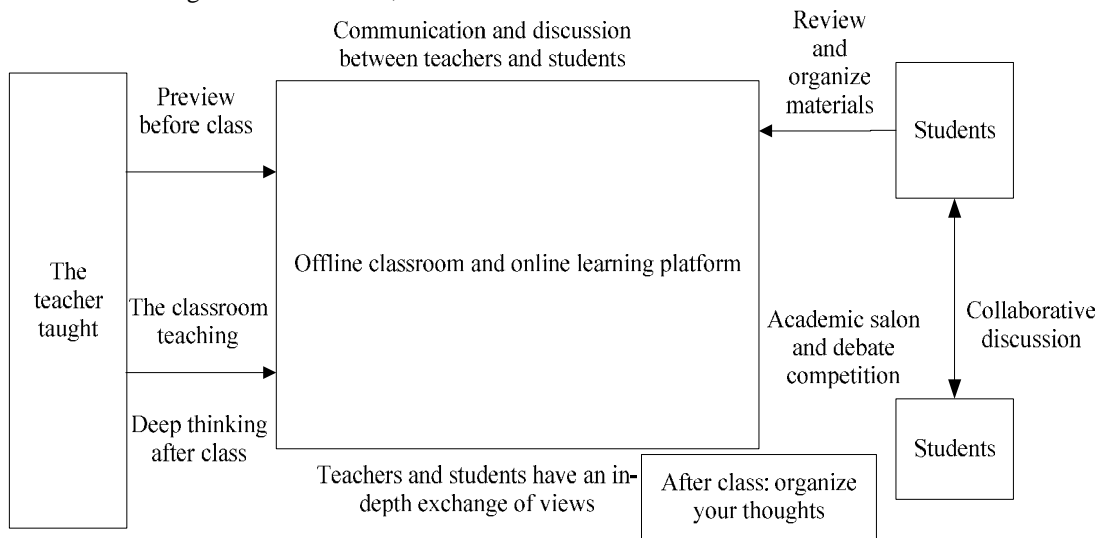
Of specialized course teaching in the independent college is a relatively complex system, in the related teaching mainly consists of teaching main body, content, environment and the teaching effect and so on, each factor

plays a different role. Main body to be able to see in the teaching, the teacher in the dominant position, and in which is a kind of directors, managers and coordinator for teaching, the role of related to the teaching mode of class teaching, group discussion is a problem are discussed.

Students are in the main position, reflected in two points. First, before the class, students should discuss the relevant questions in the class before they start the class, and they can consult relevant knowledge. After class, I should actively consolidate the knowledge acquired in the class and finish the homework assigned by the teacher. For the teacher's teaching content, the first is the student's professional knowledge, the extension of extracurricular knowledge. For teachers, it is necessary to design a reasonable syllabus after considering the comprehensive factors such as students, teaching effect and purpose before designing the teaching content. So for teachers need to make unique research results of the corresponding melting into teaching, and then to classroom teaching content has certain extend, it can not only help students better grasp their own professional knowledge, also can promote students to think actively. For the other teaching elements involved, such as the teaching environment, it is mainly conducted in the classroom, and the auxiliary is the network.

**2.1.2. Operation Process**

In order to be able to teaching mode to conduct a comprehensive analysis of the specialized courses, this article is to teachers, students, teaching system, to analyze the following dynamic environment as well as the teaching content and so on, form a running operating system. As shown in figure 1:



**Figure 1. Operation Flow of Specialized Course Teaching Mode**

From figure 1, it can be found that the two main features of the teaching method of specialized courses are: first, the offline classroom teaching, all the teaching with professional knowledge is inseparable from the classroom; The second is to use the network resources as a kind of auxiliary learning method, and use the network to supplement the relevant knowledge and search the data quickly. The two teaching characteristics are analyzed in the following articles.

As the main teaching mode, the classroom is mainly embodied in two aspects: "classroom teaching + discussion" and "academic salon + debate competition". From specific corresponding analysis can get to discuss "+" classroom teaching, the teacher in class will be over specialized knowledge to make use of two-thirds of the time teaching supplement, the remaining 1/3 time will teach the knowledge and the students' questions for discussion. This is related to the nature of the professional course itself and the students' professional knowledge. Want students to learn both solid professional knowledge and understanding of professional knowledge deep enough, this for a qualified teacher, need to do a lot of preparation before class before lecture to the students' professional knowledge, such as the content of the curriculum standard and teaching mutually dependent unifies in together, will focus on the difficulty and so on to extract from it, thus to the teaching contents in the form of knowledge through the teaching to the students, promote the students' divergent thinking, positive thinking. As for "academic salon + debate competition", in general, the middle part and the end of the class will appear in the classroom, and the time taken will usually be about one tenth of the time. For such on classroom design is relatively reasonable, on the classroom learning knowledge related to () the same topic, then the corresponding academic salon, can promote students' professional knowledge to better understand. In this way, students can be urged to actively study on the one hand; Needs not only in class, on the other hand can promote students to master professional knowledge, also is not the end of a class, but also need to have the expansion of the knowledge of online knowledge and thinking; In the end, it also helps students to understand the internal digestion of professional knowledge and to make reasonable use of social practice. Use debate at the end of the classroom can promote students' mastery of knowledge further, divergent thinking, able to classes taught by concept formed their own unique views and professional knowledge.

## **2.2. The Study of Network Resources is Complementary**

The completion of study in class is guaranteed by offline tutoring. This aspect can be reflected from before and after class. Analysis from the specific way: before the class, students need to study the major they are going to

study and online preview and so on. Before the teacher is taught, the relevant materials need to be taught online to the students, so students can have a targeted online preview. Before academic salon or debate on the class, the students can put forward their views and claims, etc., so that they can for their next debate and academic salon preparation accordingly. In this way, students can have a first knowledge system for the knowledge they need to learn. After the teaching of teachers, students need to slowly digest and understand the professional knowledge in the class. To make online access or to discuss with classmates and teachers with the help of network advantages. Do the homework and so on in the teacher's homework. Conducted both in academic salon and debate in class such as process of harvesting can be processed into notes, and then to build knowledge involved in system, eventually appear throughout the paper. For students, they can form their own unique way of thinking and discuss the professional knowledge in class discussion and communication. The discussion channels between teachers and students mainly include classroom questions, academic salon and discussion[4]. Communication can not only help students master professional knowledge quickly, but also promote students' deepening and development of professional knowledge so as to be able to activate the class atmosphere.

## **2.3. Teaching Evaluation**

The evaluation of teaching is based on the characteristics of specialized courses and the construction of teaching mode, thus forming an evaluation of final polarity. For so-called summative assessment relating to the content of the curriculum standard of professional knowledge, part of the need to raise the issue of sealing ability, also is the focus of the knowledge taught by teachers, this part is fixed the answer, the other part of the problem is in order to be able to on the investigation to the students' professional knowledge, the topic of such technology has the characteristics of the students' thinking, does not have fixed answers, enables the student to the flexible use of knowledge. In the process of teacher evaluation, the evaluation of finality accounts for 70% of the total score. The other 30 percent was obtained through the usual test. In the process of evaluation, teachers give students a fair and fair score on the performance of students in class and the performance of the academic salon and debate competition organized. Not only that, the teacher can also through the "student satisfaction survey" to on their own teaching feedback and recognition, and so on, this way to reflect on their teaching methods and improving, eventually be able to form a kind of brand-new teaching methods.

## **3. Model Design of Elective Courses: Online and Offline**

The first course set up in the school is different from the specialized courses. The main purpose of elective courses is to promote students' interest development. Take the teacher's purpose is to promote students choose according to the characteristics such as their professional interests and hobbies, so as to promote students' learning of flexibility, convenient students can actively for independent choice. It can not only promote students' systematic study not only in professional knowledge, but also the overall quality development of students in the field of knowledge extension. By taking advantage of the professional knowledge of elective courses, the professional mode set up in the course is "mainly online and offline". Elective courses in two respects such as humanism, and to build socialist form under the combination of each other, and then fully using the innate ability of students, etc., exploring the potential of students, eventually form their own unique insights. Elective course of the establishment of convenient to students according to their own interests, and in combination with their own study schedule and schedule, etc., combining the advantage of the network fully play their own interests and hobbies, gradually building into a own ideas, teachers only play a guiding role in it. The specific design process and operating procedures are as follows:

### **3.1. The design process**

In the design of elective course teaching model, in this paper, the emphasis is on the early design and teaching design.

#### **3.1.1. Preliminary Design**

To design targeted in the elective course teaching mode, to which the analysis of the elements that constitute the full consideration, which involved in the study subject, teaching target, content and environment, etc.

For learners, that is, students, are they constitute the main body of teaching mode, about their cognitive level and ability level, maturity and mental changes above will affect the teacher in the classroom teaching quality, and building, etc. On the other hand is analyzed to conclude is most of the students in independent college after 90, at the age of the students have independent personality publicity, do STH unconventional or unorthodox, open mind and poor control, and with the development of social economy and technology in our country, it is more attractive, for they make them too mature, should the requirements of The Times, they do STH unconventional or unorthodox pursuit of innovation. Independent college is not only characterized by extensive recognition, but also has the characteristics of cognitive structure, learning objective and learning style ability. Elective courses of teachers in the teaching mode of required before design, need to fully consider analysis was carried out on the students' psychological state, need teachers from the stu-

dents' interests, and in the process of teaching fully respect the student's own options and ideas, and teachers in the classroom need to set up a wide variety of courses can mobilize the enthusiasm of the students. Analyze the teachers can draw is that like the online courses on teachers are the designer of the knowledge resources, they are able to communicate through the online platform, long-distance network way to impart knowledge to students; The teaching assistant is to assist teachers to grade the students' homework or to conduct extra-curricular questions, and to carry out statistical analysis on the students' learning situation; Other relevant members of the teachers' team are responsible for the relevant video recording, editing, and monitoring of related data. For in order to achieve the teaching goal is the core of the teaching model to build, all about the operation of the teaching mode, and of teaching activities between teachers and students are all around it, and form a relation of combination. The goal of elective courses is to explore students' potential abilities as the main body and to cultivate students' interest, so as to comprehensively promote the all-round development of students.

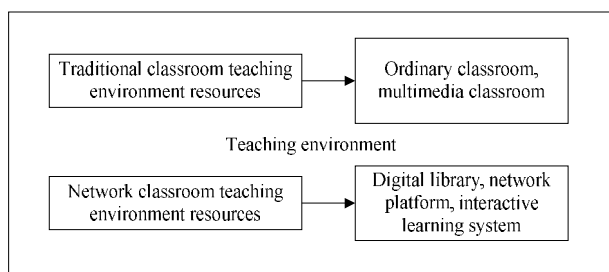
In terms of teaching content, you need to set up a variety of teaching content, so students can according to their own interests and hobbies, and other areas for cross-platform or choose the right course, finally can expect to achieve their own needs, thus to promote the all-round development of students. Able to draw and analyze from the teaching environment, most of the independent college elective has the phenomenon of "not enough", mainly reflected in the process of students in the elective appear all sorts of contradiction, thus appear many problems, for example, some students full, while some subjects are few, and some students in order to be able to get part will choose of course, you don't like the emergence of this kind of situation has violated the elective course of the original intention. From the point of the development of science and technology in our country in recent years, the development of informatization rapid development especially MOOCs, thus an unprecedented development of elective courses in our country, at the moment it is not only in classroom, but will all the use of integrated information platform, such as library, electric reading room and network platform. Therefore, the development of elective courses has a broader prospect in innovation.

Through the analysis of the above various factors can be concluded that, for the involved about the freedom to choose courses must take into account the above factors, this can make students according to their own interests and hobbies, etc for free choose courses and teachers; In addition, a good network platform and relevant information platform should be used to actively develop and innovate the curriculum.

#### **3.1.2. Teaching Design**

Through the analysis in the previous basis, in this article about the classroom teaching mode mainly from teaching environment design, service design and related teaching organization, teaching evaluation and so on four aspects were described fully.

First, teaching environment design. The established courses is in the direction of the largest education informatization, one of the most important thing is to MOOCs development, its development not only realize the integrated all sorts of study resource, including the traditional classroom and the emerging network class two big mainstream classroom form.



**Figure 2. Teaching Environment Resources**

Second, learn to support service design. With the support of the above teaching environment, we can support the study service design vigorously. In terms of learning support service, it refers to a series of comprehensive support for students, such as personnel, places, resources and emotions, whether it is a teacher's team or an independent college. The staff support involved refers to the support of the teachers' team or technical team. For the site support services involved, it means providing students with the places they need to study. From figure 2 can more easy to get, involved in the teaching environment and resources including two aspects such as traditional classroom and online classroom, traditional including multimedia classrooms and teachers must, online included as the network classroom, studio, and now all kinds of network platform, etc. The resource support services involved are analyzed around the basic resources of the course and related development resources. Basic resources include teaching materials, PPT, reference materials, etc. Development resources include links to relevant learning sites and related lectures. Emotional support services are specifically designed for students to deal with psychological problems, learning pressures and emotions.

Third, the teaching organization form design. The teaching mode of this class mainly adopts the form of "autonomous learning + teacher instruction + cooperative communication". Students can choose support for the course according to their own schedule. Teachers need to answer questions about the students' questions and help them with relevant questions. Students can also commu-

nicate with classmates and teachers through online information platform through network information platform. Fourth, teaching evaluation design. The evaluation of students' performance is generally considered in terms of "performance status + daily test + final academic performance". The normal learning situation refers to the large data analysis of the students' learning status during the normal learning process, which generally accounts for 20% of the total score. The usual test is the test after each class, which usually accounts for 40% of the total score. The final final grade will account for 40% of the total score. For the final exam, you can design a related work for students' interest and hobbies, and use it flexibly.

### 3.2. Operation process

The teaching mode of elective course depends on network teaching platform, auxiliary classroom. The network teaching platform plays an important role in it, and it can realize teaching, testing and answering system. The establishment of it is to realize the MOOCs platform jointly after the university alliance. In addition, the other MOOCs platforms are added to realize the credit mutual recognition.

Therefore, it can be concluded from here that students of independent colleges have two choices, as shown in figure 3.

The program designed can be ultimately summarized as pre-class preparation, curriculum implementation and course evaluation and feedback, as shown in 4.

During the preparatory stage of the course, teachers need to design their own teaching and prepare accordingly. The design is designed to be able to achieve the teaching objectives and to meet the students' situation and other targeted design teaching activities, Outlines and plans. In the preparation stage, after the teaching design, it is necessary to publish announcements, Outlines and electronic textbooks to facilitate students to make targeted choices. During this period, students can browse and learn about the course through the platform designated by the school, and then register and select courses. In the course of the implementation phase, need teachers will of course do by file upload to public network platform, so that they can share with students, meet the student online testing, and related work arrangement.

### 3.3. Model construction of public basic course teaching model: online and offline, multi-level interaction.

A public basic course is a course that students must master. No road is required in independent colleges or in ordinary universities. Of course, students of different majors also have the choice of elective courses. The purpose of setting up a public basic course is to help students acquire basic knowledge and improve their self-

cultivation. Based on this, the design of the public basic course teaching model to follow "online, multiplayer interaction", the characteristics of the mutual cooperation between the colleges and universities to the flexible curriculum, such as the final aim to provide students the rise of the hobby and so on.

In the independent college students for the public basic course set by is not interested in, so this needs us to overcome such a situation, accordingly setting to create a new pattern, it can promote students' positive to try. Specific model design, as shown in Figure 5.

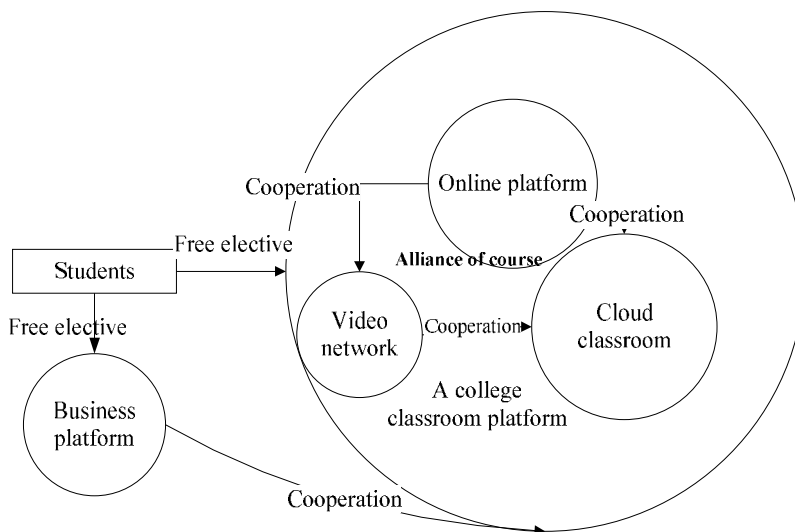


Figure 3. Teaching Model of Public Course

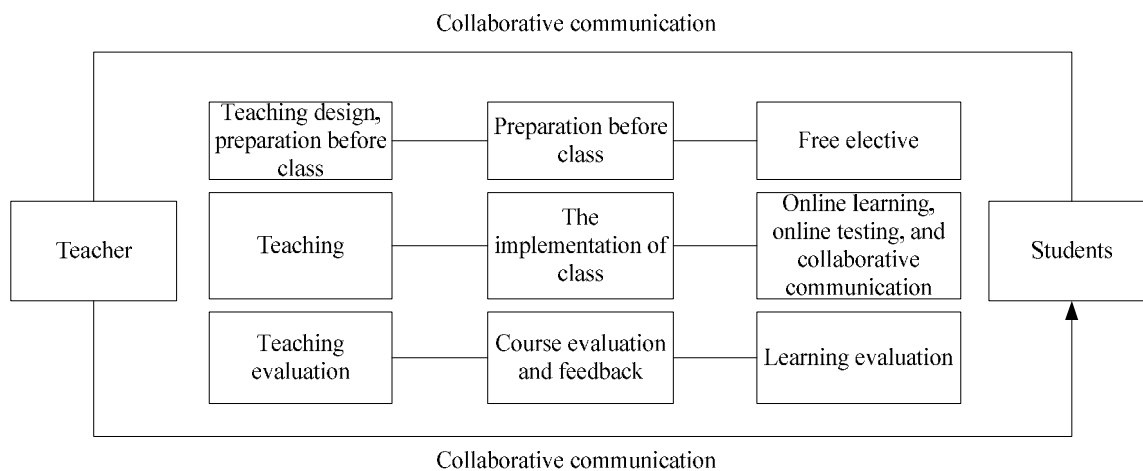


Figure 4. Operation Flow of Elective Course Teaching Mode

Public basic courses are generally conducted in the studio. Can conclude from the figure, in M in colleges and universities, the teaching teachers in the field, and can be found at this time in university A, B, G, students also chose this course, students in the class can achieve cross-regional remote listening to lectures, and students can be implemented in accordance with the instruction of the teachers under the mutual discussion and guidance. There is no limit to the league of colleges and universities, and it is analyzed according to the actual situation. Video, which is broadcast live by teachers after class, will be

retained on the designated platform so that students can review it at any time.

As for teaching evaluation, it is a kind of evaluation of teachers' teaching, which is mainly evaluated by lecturers and instructors. In addition, we also need to evaluate the course satisfaction. The student's opinion is the teacher's motivation and encouragement, so that the teacher can more attentively teaching.

**4. Conditional Guarantee for the Construction of Hierarchical Mixed Teaching Mode**

Layered hybrid teaching mode is based on the mode of traditional and online teaching, finally to realize the comprehensive development of students, thus to achieve the good relationship between independent colleges and social market, stick to the self in the market relations. If we want to apply this model to the teaching, we need some institutional guarantee.

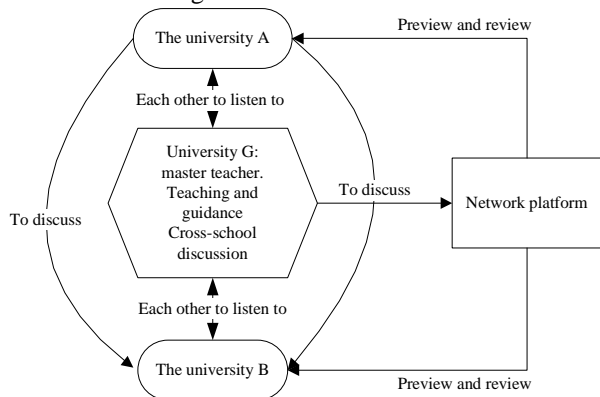


Figure 5. Teaching Model of General Education

**4.1. Ncrease the flexibility and flexibility of the independent school management system**

Today the establishment of the independent institute management system is to allow students and teachers can reach the standard to set up, but the independent college is to cultivate high-quality talents, and not to take system can cover the standards. The management system implemented by most independent colleges is lack of flexibility and flexibility to some extent, which is not conducive to long-term development.

It is necessary for independent colleges to improve themselves in time. In order to adapt to the needs of The Times, the development of science and technology is constantly optimized and the system is programmed. Second, formulate a rich and diverse concrete system. The system needs to be flexible, and it needs to be implemented in practice. Encourage the support of teachers to innovate, provide sufficient innovation space for teachers, so as to be able to flexibly innovate the teaching mode of courses, and finally help students to develop in a comprehensive way.

**4.2. With the help of relevant policy mode to implement the propaganda guidance**

layered hybrid mode for teachers in order to be able to complete the course arrangement in a timely manner and will not deliberately take the time to adopt a new teaching mode of teaching, will still adopts the traditional teaching way.

Therefore, in this situation, independent college is required to promote the new model. Firstly, it needs to explain the theoretical structure of the model, so that the

teacher can have a rational view of it. In addition, we can discuss each other through the way of holding a symposium. Finally, if the mode is accepted by the teacher, the elective course can be selected by elective course, so that the problem can be adjusted in time. If success is successful, it can achieve full development

**4.3. Formulate corresponding incentive mechanism**

In order to be able to encourage support hierarchical hybrid teaching mode, the full implementation of the independent college should take the corresponding incentive mechanism, moral encouragement with material reward each other together[5]. First, set the corresponding reward standard and quantitative index. Only in this way can the teacher have the motivation and goal to change. Second, there should be a fair assessment mechanism to support it. The reward system for teachers also needs to be done in a fair and equitable manner. If there is an injustice in this situation, the previous efforts will be wasted and there will be a series of negative effects. So any reward system needs a fair and just mechanism. And in the end also need the special teachers spirit encouragement, to dare to practice the spirit of the honorary certificate, and let all the teachers and students see that able to inspire more actively involved in the teaching practice.

**5 . Conclusions**

Type classification based on the analysis of independent college teaching courses, according to the reality of classroom and online teaching and advantages, such as MOOCS, designed three related teaching mode, namely "class is given priority to, online learning is complementary" specialized course teaching model, "online and offline is complementary" elective courses teaching model and "online, multiplayer interactive model of the public basic course teaching mode. The end of this article, from three aspects: teaching model to implement layered hybrid lists related conditions of security, under the MOOC development status of nowadays, established the layered teaching mode for independent college teaching innovation has a certain theoretical basis and practical significance.

**Project source**

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