

# Application Analysis of Micro Course in College Classroom Teaching

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**Abstract.** Micro course is a new concept in the education field in china, coming from abroad. With the development of electronic Science and technology in recent years, the teaching mode of "micro class" has get more and more people's attentions which is out of class, also has been widespread concerned in China. In recent years, micro class has been applied in the classroom teaching activities in our country and only in a few years has been promoted and applied on a national scale but its development speed is very rapid. This new teaching model can make the classroom teaching more flexible, can bring more fun for the majority of students, and is a development trend of classroom teaching mode under the new situation. this paper has researched and stated the application of micro course in college classroom teaching, hoping to be able to give the majority of educators to discuss, reference.

## Introduction

Micro course, this education model is a new teaching mode which is formed by the impact of information technology in the traditional education mode of our country. it uses the internet and media technology to realize the combination the online education with interactive education and takes advantage of the convenience of the network and combines the educational objectives with a shorter online video mode to realize the online teaching out of the limit of time and place. Nowadays, micro course plays a more and more important role in our education system. But how to apply micro course in universities' teaching course is a learning which is worth thinking, it should vary with the object and should fully take student's real capacity and classroom teaching content into account. Using micro course flexibly to carry out the corresponding classroom teaching activities ,on the one hand is to stimulate students' enthusiasm for computer learning, on the other hand is to attract student's attentions to improve classroom teaching quality and efficiency. This paper combined the real situation in current universities' classroom teaching to analyze and discuss for micro course using in class.

## Connotation of Micro Course

**Concept.** Currently, there is no sure definition for our micro course concept. If literally understand, micro means small, slight in china. Course is usually related to teaching.so what can be seen is to realize teaching activities in a limited time. Yi Chun Zhang, domestic scholars explalins that micro course is using internet technology and electric digit products for those who hope to get knowledge by themselves, circling a knowledge point for well-designed teaching content, and is mainly to press by video and sound. Hu Tie Sheng pioneered the concept of the micro course, for this definition : use the video as a carrier of knowledge to achieve a brief teaching links. In general terms, micro course is a mini course. Micro course for detail is class or course, domestic scholar Jin Ling definite that micro can realize the combination of the course and learning ,students and course, also can contact its various links to record teaching in class. So micro course is an important part of min course.

**The Main Character,** Micro course is made of video which is only fifteen minutes. These micro course video has the following features: first, dapper, widely used, easy to spread. The video content of the micro lesson is usually shorter and the storage volume is small, usually more than 10 trillion, a few less than a few trillion, In the aspect of content selection, it is difficult for students to

understand the content of the course. These videos are generally designed by teachers or professors with rich teaching experience, to meet the needs of students. This part of the content can not only be used as a teacher in the classroom teaching of the key content, can also be used as a pre class learning materials. What's most important is this part video is easy to get. The second is Topic prominence, targeted strong, and convenient use. The importance of micro course is the micro, after choosing a knowledge point which Subdivide the knowledge points, To further highlight the theme, is to solve the problem of sex, in this way to help the majority of the use of micro download video viewer to master the knowledge according to their needs. This way of learning, not only saves the time of the majority of learners, but also improve their learning efficiency, to provide convenience for the majority of users. Thirdly, semi structured, interactive, and easy to expand. Micro course in the course of making and training courseware combines the relative static knowledge points with the practical teaching of the course, to realize the interaction between teachers and students and the communication between teachers and students, further uses of the network platform to achieve reproduced, modified and further improved, In such a flexible building perfect process the 1.5 structured micro course resource structure and application environment are formed. This kind of micro course has the characteristics of semi-structured, interactive, open, generative and flexible.

### **The Significance of Micro Course in College Classroom Teaching**

The classroom teaching mode being quite satisfactory all the time , the autonomy of the students rarely reflected, but the appearance of the micro course has greatly changed the present situation, providing a wide range of learning ways for the majority of students.

**Help to Improve the Effectiveness of College Classroom.** Different from the traditional teaching mode, application of micro lecture in classroom teaching has greatly improved the teaching resources, flexibly presents the teaching theme, making the students stay in rich and colorful learning environment, and can realize in a short time and knowledge to explain and expand the depth. using of micro course teaching for teachers ,the choices become flexible, The use of micro class teaching for teachers to choose to become flexible, the study of students has become more and more interesting, and the interaction between teachers and students has become more abundant and natural.

**Help to improve the flexibility of Educational College Classroom,** For the characters, it's time and place is flexibility and students don't need to be limited by time and place who can study according their selves flexibility. it is flexible for teachers to plan teaching activities who didn't limited by teaching and teaching material any more through a variety of forms of teaching to the students, the effectively realizingn of teaching objectives

**Help to Improve the Comprehensive Quality of College Teachers.** Micro course only can be presented to students by the bridge of teacher, and can work out so the effect of micro course is closely related to the comprehensive quality of Teachers. The whole process of making a micro course need the choice definition and carding of teacher, at the same time need the modern teaching ways to present it, In such a process it can encourage teachers to learn to improve themselves comprehensive quality to ensure that the final micro courses can effectively play the effectiveness.

### **Applications of Micro Course in College Class**

**Make a Micro Course.** The time of micro course should be controlled in two minutes at the same time the content should have certain difficulty and be related to knowledge point. A challenging problem should be put up in final whose solving ideas should be various so that students can make heated discussion

**Does a Teaching Design Circling Micro Course.** The design of micro course teaching activities should be designed from application of micro courses including grouping, discussion, reporting, etc. what should be cared for is the time of discussion shouldn't be over two minutes .During the reporting ,design related reporting form discussion situation

**Insist on Doing a Teaching Activities by Micro Course in Every Class**

Teachers should encourage students to take part in teaching activities, so they can more efficiently grasp knowledge, at the same time during activities, can make classes more energetic and students are more interesting in learning, the related effects of learning will be obvious during a long time persistence.

## **The Application and Countermeasures of Micro Course in College Classroom Teaching**

**Countermeasures of Application.** In recent years, the development of information technology makes all walks of life benefit including college teaching, under a new situation and environment, the construction of micro course resources has developed. Through the practice at home and abroad shows that the course can effectively improve the teaching quality and efficiency, however, the development of micro course in our country is short, there are many problems in constructing micro course, mainly including following four aspects.

### **There is a Serious Lack of Understanding**

With micro course constantly getting matured, we also develop micro teaching in college teaching which can improve the social evaluation of colleges, effect and attract more students. Now most colleges in china pay much attention to the development of micro course education recourse to develop educational activities and academic and scientific exchange. But the application depth of micro course is not good. Many colleges didn't pay much attention to the building of micro course so micro course doesn't play the advantages of micro lessons. For present situation of micro course resources construction, students has the authority to press. according to the student's investigation report, it shows that many students generally believe that the construction of micro course has a lot of disadvantages, the current micro course resource are most dispersive and can't satisfy the student's learning need. the colleges should pay attentions to the building of micro teaching resource which should be put at the same important place.

### **The Actual Application Effect is Still Relatively Poor**

At present, micro course is still at a beginning stage, so the actual application effect is not good. According to the data showing, nearly half among current colleges don't apply micro course in their teaching, at the same time over two thirds students keep a double attitude to the new teaching model. Teacher are the promoters but who can have skilled micro teaching skills is 1/10 of the total. Meanwhile, although current colleges have same micro course team, but which is small. Comprehensive above, all kind of phenomenon shoes that there are still many problem in construct of micro course resource which severely need to be saved.

### **Lack of the Related Plat of Micro Course**

What can be seen is the quick development of information technology, and we have happened a huge change. Many colleges have built their own university teaching plat which is no double to be good. for all teachers and students. But this plat is not micro course teaching plat, which can't realize the share of information so they can't take use of micro course. At the same time, because the integration of the micro course is poor resulting that the quality of the micro course in all college is not at the same stage and the total of resource is lack, and resulting that it's difficult to put the limited micro resource to actual teaching so as to effect the building of micro resource.

### **The Theoretical Foundation is Weak, the Production Level is Low**

At present, most teachers do not have the relevant system training and learning, lacking the corresponding multimedia production technology, in making micro course don't have a direction, only take part in, coupled with the impetuous psychology which led to the quality of their works are generally low.

## **Application Countermeasures**

### **Continue to Deepen Understanding**

Due to the continuous improvement of information technology, micro courses have emerged, to realize the students' fragmentation learning and mobile learning, it can stimulate students' interest in autonomous learning. Due to the different understanding of the individual, the effect of micro

lessons are not the same. On the understanding of micro course , there are two main aspects of "micro" and "course", the former refers to the cost of the time is short, generally about 10 minutes, in such a short period of time can not be explained in detail, but the focus is limited to a single point of knowledge or focus, difficulties; The latter refers to that it is also a kind of classroom teaching, which is a kind of teaching course. In terms of the contents of the micro course is relatively extensive, the model is characterized by the students, so that students can give more time to participate in classroom teaching, focusing on the interaction of students in teaching, so as to enhance the efficiency of classroom teaching.

### **Improve Teaching Quality, Enhance Team Building.**

It is far from enough to make a high-quality micro class by the teacher alone, also need a strong technical team. In the construction of the team we should pay attention to the characteristics of different disciplines, give full play to the role of each member of the team, we can produce excellent micro class work, better service classroom teaching.

### **Carry Out Teacher Training, Update Education Concept.**

Today, with the rapid development of science and technology, all walks of life do not have to continue to learn, update, but the teacher as the next generation of the motherland must continue to learn, to update the teaching concept, continuously to learn and updating of modern educational technology. Through training and micro competition and other means, can enhance their professional ability, and constantly open up, innovation, for classroom teaching to inject new impetus and energy.

## **Conclusion**

As a new teaching mode in the new era, micro course is the product of the development of information technology. How to use the teaching model of micro course is a problem worthy of all educators, we should fully combine the traditional teaching and micro teaching mode to combine and use their respective advantages fully play the role, cultivate students' autonomous learning ability, promote students' knowledge and skills improved rapidly, lay a good foundation for future work and development of College students.

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