

On the application of micro course in University Computer Teaching

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Abstract: Micro class is a new teaching method under the background of information technology. The application of this method has greatly promoted the quality and efficiency of classroom teaching. It can also motivate students to learn enthusiasm for computers, so that they can get better results in learning. It can be seen that the advantage of micro-courses is more obvious than that of traditional teaching methods.

1. Introduction

Computer technology has become one of the abilities that people must have in the current society, and it is also an important part of university teaching. As far as the current situation is concerned, enterprises and society have certain needs for college students in computer ability. The use of micro-courses in university computer teaching has transformed the traditional teaching model, and new models have emerged [1].

2. The practical connotation of micro-course

Micro-course is a kind of teaching method that is produced immediately after flipping the classroom. It is also a new type of education. Its use has attracted a lot of attention from colleges and universities, which is conducive to the promotion of quality education. At the same time, the use of micro-courses in computer teaching has also caused a corresponding change in the form of teaching. Therefore, in the process of computer teaching, teachers need to actively adapt to this change, update their ideas, and enrich their knowledge system. As far as the current situation is concerned, micro courses have been widely used in Colleges and universities, in-depth in all areas of education.

Micro courses mainly concentrate some main knowledge points into about ten minutes for teaching. When designing micro courses, we need to take the basic characteristics of the course as the basis, and then use video to explain the knowledge points in the course [2]. The main features of the micro-course are reflected in the short and fine. By watching the content of the micro-course in a short time, the students can have a clear and comprehensive understanding of the knowledge, which is also a relatively obvious role of the micro-course in teaching.

As far as university computers are concerned, there is more knowledge, and different students have different needs for knowledge. Therefore, the use of micro-courses in computer teaching greatly promotes the optimization of teaching effects. At the same time, the use of micro-course breaks through the shackles of the traditional teaching mode, making the overall teaching more appropriate and reasonable, and promoting the improvement of the overall teaching quality. Its advantages are mainly reflected in the following aspects: First, the use of micro-courses can satisfy the individual needs of students. In the actual learning, students can watch the micro course content independently according to their own actual needs. The use of this way can make students get a greater degree of improvement in learning initiative and enthusiasm. Secondly, it is more clear in teaching objectives, highlighting the key points and difficulties in teaching, and also can effectively solve some problems in teaching, which is the progress in teaching. Finally, the use of fragmented time by students is strengthened, and students are more free in learning time and space, which can make them obtain more obvious effect in learning, and the appearance of this state can greatly

promote the actual learning effect of students.

3. Current teaching situation of university computer

3.1. It is difficult to meet the actual needs of students

Before entering the University, students are different on the basis of computer, and there are great differences in the mastery of computer, which has a great impact on students' enthusiasm in learning [3]. The emergence of this status quo is difficult to make students get better results in learning, and at the same time it will not help the students in the future work. This is a relatively obvious problem in the current university computer teaching.

3.2. Students' actual learning interest is not high

When conducting computer learning, many students think that this course is rather boring and may even lead to a kind of tiredness in learning. The reasons for students' psychological reasons are mainly reflected in the following aspects: First, most students will focus on professional courses and neglect computer learning. Secondly, most students are lack of autonomy in computer learning and can not actively solve the problems encountered in learning, which makes the improvement of the actual teaching efficiency greatly affected, which is also the problem that needs to be solved in the current university computer teaching.

4. The application strategy of micro course in University Computer Teaching

For the computer, it has strong operability. In the traditional classroom, students need to use a lot of practice to master knowledge. At the same time, in the classroom, teachers will also supplement knowledge. For students, the use of this way will gradually disappear their enthusiasm for computer learning, and in view of this problem in university computer teaching. Some colleges and universities share these teaching contents into the WeChat platform, and in the platform, teachers also distinguish between difficult and difficult content.

4.1. Using the micro-course to pre-class self-study

Before teaching the formal content, the teacher first needs to analyze the overall content in detail, then make some key content into the form of video and upload it to the network platform [4]. Through this method, students can obtain effective resources in the network platform, carefully complete the teaching tasks assigned by the teacher, and at the same time, based on their actual situation when completing the task. In addition, teachers and students can also communicate freely in the network platform, so that autonomous learning content can be better completed. When setting the corresponding content, the basic knowledge needs to occupy a relatively short time. The video mainly focuses on the key and difficult knowledge, and the explanation should be as detailed as possible.

4.2. Interaction between teachers and students by micro class

As far as the micro course teaching mode is concerned, it provides a better platform for the effective interaction between teachers and students. Therefore, in the actual teaching, teachers need to strengthen the use of this platform to effectively absorb and understand classroom knowledge. Since teachers have done a lot of preparatory work before the formal teaching of this part of the content, students will have a basic understanding of this part of the learning content in the independent preview. After understanding the actual learning situation of the students, the teacher needs to adjust the teaching content according to the classroom feedback given by the students. In actual teaching, group discussions or stratification can be used. Through the use of these methods, students can better understand the relevant computer knowledge taught by teachers.

4.3. Use the micro-course to review under the class

In the context of information technology, most colleges and universities have applied it in

teaching, so as to better meet the trend of the times [5]. However, as far as the current actual teaching situation is concerned, most students are more vocal in their computer learning, and it is difficult to focus their attention on the issues taught by teachers. At the same time, little attention is paid to the video content produced by the teacher under the class, which affects the effective realization of the teaching effect to a certain extent. Therefore, teachers need to reflect on and improve this teaching method in teaching, so that the micro-class can be better managed in teaching. As far as video lessons are concerned, if the capacity is large, students will be more troublesome when downloading or watching online. Secondly, in the process of downloading the video, there is a certain requirement for the student's network speed. If the downloading capacity is relatively large, the student needs to use more time to wait. In the long run, students' enthusiasm for learning the course content will be adversely affected. Finally, there are many knowledge points in the video. If students are not interested in this part of the content, they still need to use a lot of practice to watch it. In this case, their interest in learning will be adversely affected. A more obvious advantage of micro class is that it can present knowledge points clearly in front of students in a short time. At the same time, its capacity is relatively small, so students do not need to practice too much when using it. At the same time, when students watch the micro course content, they can take their actual needs as the basis, and then select the knowledge points pertinently. In addition, students can use fragmented time to watch micro class content, which can save more learning time.

4.4. Using micro class to explain and consolidate knowledge points

Most teachers will use the form of micro class to explain the teaching content, but it is difficult to get better results when using. Therefore, in the actual teaching, teachers can use micro class to improve the teaching content, so that students can gradually consolidate knowledge points in learning [6]. In the process of computer teaching, the combination of micro course and teaching content can make the teaching more perfect. As far as micro-teaching is concerned, teachers first need to have a strong professional quality and can talk about some important knowledge points in the platform. At the same time, teachers need to have a certain breakthrough awareness in teaching, and constantly improve their teaching content and teaching methods. The use of this method can make it easier for you to explain the knowledge points.

5. Micro-course production

Taking PPT production in computer teaching as an example, when using micro-teaching, it can be used as a knowledge point. In order to ensure the teaching quality of micro class, teachers need to pay attention to topics, materials, teaching, comments and feedback in making micro class:

5.1. Selected topic

When learning ppt production, many will encounter some problems, such as it is difficult to insert background music, fonts and so on. The text is full of the whole screen, not leaving enough space for the edge, giving people a sense of oppression, and this sense of oppression will quickly turn into a feeling of boredom, leaving a strong impression [7]. In the actual teaching, teachers need to implement targeted solutions according to the problems that students have, and make this part into the form of micro-courses, thus helping students to achieve internalization of the knowledge.

5.2. Teaching

When designing the content of micro-courses, teachers need to take care of themselves and students. The main purpose of implementing this measure is to help students to learn independently. Therefore, when designing the relevant teaching content, we need to take the students as the center, change the leader in the classroom into the leader of the students, and pay attention to the mobilization of students' self-learning awareness and innovation awareness.

5.3. Source material

The main purpose of PPT production is to promote the actual learning ability of students.

Therefore, when designing this part of micro course content, teachers need not only to make it into a video form, but also to match it with corresponding recordings to provide students with corresponding tips and guidance [8]. At the same time, in this process, we need to consider the characteristics of micro courses and find a good starting point for teaching content. In this way, the students' attention can be attracted to a large extent, so that they can find the learning state faster in learning. Finally, after the end of the courseware, the teacher needs to summarize this part of the content, the way of summarizing can make the students' impression of the learning content deepen.

5.4. Feedback

When students watch the content of the micro-course, the teacher needs to pay attention to communication and communication with the students. If there are problems in the study, the questions can be raised on the Internet, and then the teacher needs to help the students solve the problems encountered. In this case, the actual learning situation of students can get feedback, and teachers can make appropriate adjustments in teaching strategies according to the actual feedback situation of students. At the same time, after the end of learning, we need to evaluate the students, so that students can find their own shortcomings in the evaluation, so that students can realize the internalization of knowledge as much as possible in learning.

5.5. Reflect

Teachers need to take the teaching activities as the basis, summarize the knowledge points that are easy to have problems in the activities, and then take this as the basis to modify and redesign the corresponding micro course content. If you encounter some key problems, you can explain them separately. Through this method, students can have a clearer and clearer understanding of the learning content. In the teaching practice, it is also proved that students have strong autonomy in micro-class learning and can obtain more obvious learning effects.

6. Conclusion

In short, the use of micro-course as a new teaching mode in university computer teaching can obtain better classroom effects, and students' self-awareness in learning will be positively affected, and good learning habits will be formed in this process. At the same time, the use of micro class can provide students with a good learning atmosphere, so that the classroom teaching effect can be constantly optimized. However, when making micro course content, teachers need to pay attention to the control of time, and the time should not be too long, so as to avoid students' learning effect being affected.

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