

The Innovative Application of Micro-Course in Computer Course Teaching

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Abstract: Micro class is a new type of teaching organization form which is based on the information technology application, bringing new visual and learning experience for our students. However, computer courses teaching pays much attention to the value and the role of micro class for it can be applied in the teaching innovation and elaborating an excellent class, so as to realize the wonderful introduction of the classroom and break through the key points of teaching, promote efficient interaction between teachers and students, finally cultivating a more comprehensive high-quality talent.

1. Introduction

Under the background of the information age, internet application is becoming more and more widely, nevertheless, computer teaching is the most important basic course of the university, and it is also an important guarantee for the creative talents of the new period. Therefore, the teaching method is constantly promoted, and the optimization of talent training structure is becoming more and more important. In order to make students better understand the basic knowledge of computer and cultivate their practical operation ability, we should actively innovate and improve teaching methods and choose more advanced teaching models. Micro-class is a new type of course teaching organization form that is based on the information technology application, which brings the students new vision and learning experience, provides them better opportunities to interact, and effective learning and resources to self-teaching and develop.

2. Analysis of the significance of micro-lecture in computer course teaching

2.1 Innovate course teaching methods

With the rapid development of China's society and economy, the society has higher and higher requirements for talents. College education must constantly innovate and reform to improve the teaching quality and optimize the teaching model, so that students can really obtain practical application skills, and school can cultivate high-quality application-oriented talents. In the new era, curriculum teaching reform is becoming more and more important. Computer teaching attracts students with more novel teaching methods, so that students can get better learning experience, give full play to their subjective initiative, and truly cultivate the application skills. Micro class is a more advanced teaching method, and its short and concise course teaching organization form enables students to focus on their own learning situation, break through the difficulties, and enhance the effectiveness of classroom teaching. Compared with ordinary courses, micro-course teaching time is shorter, the content is more concentrated, and it is very convenient to use. It provides more detailed guidance to students around a central content. With the optimization of teaching methods and the innovation of teaching methods as the breakthrough point, and modern science and technology and modern information technology as the effective media, the reform of computer course teaching in colleges and universities is promoted to improve the quality of personnel training.

2.2 Build a more comprehensive and open teaching system

In the new era, college students grow up with the Internet and computer applications. In the era of mobile Internet, students prefer to learn various knowledge and acquire various abilities through

the Internet. Micro-lessons can not only be better applied in class, but also provide better guidance for students to learn independently after class and do exercises after class. With the help of modern mobile Internet and students' smart phones, we can make full use of the advantages of micro classes, short and concise, so as to get through the classroom and realize the effective integration of students' independent learning and classroom teaching, and truly cultivate students' computer application and practice ability. College computer teaching should not only focus on classroom teaching, but also on extracurricular practice. More attention should be paid to effective classroom interaction, and more efforts should be made to strengthen students' extra-curricular exercises, so that students can better learn and develop independently and build a more open teaching and practice system. After class, students can choose more micro-course learning resources based on their own interests, professional learning and industry development, their own foundation and career planning and design. What's more, teachers can provide the corresponding micro course video resources for the students, so that they can get better personalized guidance, promote personalized learning, truly cultivate high-quality comprehensive applied talents with an open and comprehensive teaching and counseling system.

2.3 Stimulate students' enthusiasm for computer learning

Interest is the best teacher as well as the internal driving force to guide students' independent learning and practice. Only when students are enthusiastic about computer course teaching and willing to pay more time and energy to it, can they get better knowledge, real exercise and truly master computer application skills. Many students like to surf the Internet and play smart phones, but students feel boring when they study computers. How to better stimulate students' interest in learning and strengthen their enthusiasm for practice is an important direction of the teaching reform of computer courses in the new century. Micro-class will break down the content that students should learn into one knowledge point after another and improve their ability, which can effectively reduce students' learning burden, stimulate students' learning enthusiasm and continuously enhance students' sense of achievement. Each micro class content is relatively small, students can quickly master computer skills and constantly enhance self-confidence in a limited time, with the help of the teacher's wonderful explanation and the scene of the simulation of experimental operation, so that students learn computer with enthusiasm. Micro class teaching breaks the traditional teaching mode of one teacher for all students. Teachers can optimize teaching through micro class and make careful preparations before class to ensure that each class can present the most wonderful teaching content to students. In particular, computer teachers can make full use of all kinds of teaching resources, no longer the wisdom and talent of single one teacher, but collect more micro-lesson resources on the Internet and other teachers, to present more colorful learning content for students. The same content can be selected from different teachers, according to the learning basis and interest of students, push a variety of micro course resources for students, so as to bring students a better learning experience, let students have more independent learning and development space, fully mobilize the enthusiasm of students to learn.

3. Analysis on the application and implementation of micro-course in computer teaching

3.1 Use micro classes to implement wonderful classroom introduction

Import is an important part of classroom teaching, a wonderful classroom import is like a wonderful beginning of a drama, which is going to bring a better learning experience and situation that attract the attention of students, mobilize students' learning enthusiasm, let the students be more active in learning, more efficient in the interaction between teachers and students, and improve the efficiency of classroom teaching. The teaching of computer courses is relatively boring. How to better stimulate students' interest in learning and enable them to quickly get into the learning state is a question that every computer teacher should take it into consideration and explore for a long time. With the introduction of micro class, computer content will be presented to students through certain application scene simulation or in a more novel way, which will suddenly attract students' eyes,

activate students' thinking, and enable students to feel more actively. Micro classes are made by making full use of modern information technology and can present more colorful visual effects with the help of a variety of learning resources. Teachers carefully designed the classroom guide language and the use of more dynamic effect of video, which quickly guide students to actively participate in classroom learning and interaction. The micro course combines the learning content with the hot spot of the industry, so that students can perceive the close connection between the computer learning content and their future work, and set a series of intuitive questions to trigger students' thinking. Animated stories are used to present more intuitive application scenes, so that students can be full of expectations for classroom teaching.

3.2 Break through the key and difficult points of computer teaching with micro classes

The key to classroom teaching is to make students pay attention to the key points of teaching and effectively break through the difficult points of course teaching, which is an important guarantee for the effectiveness of classroom teaching. Every computer teacher must pay attention to the key points and difficult points of classroom teaching, in view of the actual determination of students to choose a proper method to effectively break through the key points and difficult points. The key contents can trigger students' thinking and repeated training, so that the key and difficult points can be really transformed into students' experience and ability. Teaching difficult points need to open students' mind in an effective way, so that students can really understand and find tips, so as to improve students' ability. The computer teaching needs to aim at the student actual condition, lets the student truly understand and grasps the key knowledge spot, breaks through the difficult point to strengthen the students' skills of practicing and applying. Micro class can let students pay attention to these key contents in more diversified ways, so as to strengthen students' impression and deepen students' understanding. With micro-course teaching and more vivid and intuitive display, students can understand these teaching difficulties, so as to achieve a breakthrough in students' thinking and the transformation and improvement of operational skills. In classroom teaching, we can really grasp the key points and difficulties, improve teaching efficiency and ensure teaching effectiveness.

3.3 Make use of micro class to have deeper interaction with students

Teaching is a process in the communication and discussion of related contents between teachers and students. Only by better interaction, can students truly understand the teacher's design, perceive the objectives of classroom teaching, and deeply cooperate with the teacher. Only when the teacher truly understands the students, can he/she focus on the actual situation of the students and give them targeted guidance, so as to truly promote their ability and thinking breakthrough. In the past, computer classroom teaching time was relatively limited, and teachers presented more content to students, unable to have more in-depth interaction with students. The application of micro class can liberate teachers and win more time for interaction and communication with students. The key content and difficult content to be learned will be played to students in the form of micro class. Teachers can go deep into students and have more discussions and interactions with students. In particular, for some students' thinking or cognitive practice problems, teachers can conduct one-to-one communication with them to make classroom teaching more flexible, so that each student can master knowledge in class, achieve goals, and achieve the overall progress and all-round development of students.

3.4 Elaborate excellent micro lessons

Micro-course teaching has a lot of advantages, computer application micro-course teaching is a major trend of future development, every computer teacher attaches great importance to the value of micro-course. An important premise is to be able to make very sophisticated micro course, choose micro course resources that are more suitable for students, push relevant links that are really conducive to students' learning and development, and promote students' learning and self-development. Therefore, each teacher must be based on the teaching situation, combined with their own reality, based on the basis of students, carefully produced excellent micro class. Teachers know students best and have the most in-depth grasp of the course teaching content, which is more

powerful for the implementation of the teaching plan. Teachers carefully make micro classes to ensure that micro classes are more in line with their own teaching design, more reflect their own style, and more conducive to the learning of teachers and students. Therefore, making micro classes is a key skill that every teacher should master, and also an important prerequisite for classroom teaching by making good use of micro classes. Computer teachers must be well-prepared, deeply understand, grasp the key points and difficulties, and choose an effective way to record high quality micro classes. It is also a basic ability that every teacher needs to master to screen and transfer micro classes. It is impossible for teachers to make micro classes for every class, it's better for them to make full use of the Internet platform, and obtain more excellent micro class resources. According to their own teaching practice and the characteristics of students, carefully select and optimize the micro-class, do the corresponding editing, offer more appropriate micro-course resources for students to ensure the personalized micro-course resources and build a more comprehensive and efficient computer course teaching system, thus ensure that students learn efficiently.

4. Conclusion

In a word, the application of micro class in computer teaching is more and more extensive, every teacher needs to give full play to the advantages of micro class, learn and summarize constantly, reflect and reform in practice. Give play to the positive role of micro class to promote teaching reform, cultivate students' computer application skills, and strive to create more comprehensive high-quality talents.

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