Research on the optimization strategy of computer application teaching under the background of Internet

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Abstract: under the background of the Internet, computer application teaching should be further optimized. Teachers should actively introduce new educational concepts and teaching methods to better arouse students' interest, strengthen their understanding and application level of the knowledge they have learned, and improve the effect of education. In view of this, this paper will analyze the optimization of computer application teaching under the background of the Internet, and put forward some strategies for your reference.

Key words: Internet; Computer application teaching; Optimization strategy

1. Value analysis of computer application teaching optimization under the background of Internet

1.1 Enriched teaching resources

Through the optimization of computer application teaching under the background of Internet, more high-quality teaching resources can be introduced into the work of education, which is of great significance to enrich the teaching resources of computer application. In addition to teaching the knowledge of computer application courses in college students' textbooks, we can also use information technology, the Internet and other channels to introduce some high-quality videos and pictures into computer application classes, so as to provide more educational, attractive and novel teaching resources for college students. In addition, the rich reserves of digital teaching resources can effectively meet the computer learning needs of college students at different levels and with different characteristics, and can also significantly improve the depth and breadth of computer application classroom teaching, thus laying a solid foundation for the follow-up computer application teaching.

1.2 Broaden the teaching path

Different from the previous teaching process of computer application in Colleges and universities, the optimization of computer application teaching under the background of the Internet can enable teachers to interact and communicate with college students more efficiently, which plays an important role in breaking the space-time barriers between college students and knowledge, and between teachers and college students, It also allows college students to access the knowledge of computer application courses they want to learn anytime and anywhere, and solve all kinds of computer puzzles in time. In addition, combined with the specific learning situation, teachers can build a hybrid autonomous learning platform and upload some online videos, micro lessons and other resources, so as to provide convenience for college students to carry out autonomous learning activities, gradually promote their strong learning initiative and improve the effect of education.

1.3 Enriched the form of activities

In the past, in the college computer application classroom, teachers usually carried out the education work in the way of "filling the classroom", the interaction between teachers and students was not efficient, and the overall teaching form was relatively single, which was not conducive to the highlighting of the dominant position of college students in the classroom. Through the optimization of computer application teaching under the background of the Internet, we can gradually create an efficient atmosphere of teacher-student interaction and student student interaction, fully stimulate college students' interest in learning, deepen their understanding of computer application course knowledge, and implement the idea of teaching students according to their aptitude. In addition, the optimization of computer application teaching in the context of the Internet can greatly expand the forms of activities for teachers to carry out computer education, and enable college students to acquire knowledge in a more interesting and autonomous environment, which is of great significance to improve the effect of education.

2. Analysis of computer application teaching optimization under the background of Internet

2.1 Unreasonable application of informatization means and resources

At present, China's information technology teaching is still in its infancy. Many teachers are not proficient in the technical means applied in the optimization of computer application teaching under the background of the Internet, and there is still much room for improvement in the overall information literacy. In addition, constrained by the past teaching habits, their application of network resources and the introduction of new educational means are not reasonable, which also hinders the reform efficiency of informatization teaching of

computer application course to a large extent.

2.2 Not meeting the differentiated learning needs of College Students

In the process of computer application teaching, many teachers started teaching without deeply understanding the learning needs of college students. In the classroom, they will use the same information resources and Internet technology to carry out teaching, fail to recognize the differences in college students' understanding ability and learning interest, and only use the "one size fits all" way to implement knowledge explanation, which is different from the traditional classroom teaching process, so it is difficult to reflect the characteristics of targeted guidance and personalized teaching of information teaching, It is difficult to meet the differentiated needs of college students in learning computer application courses, which affects their learning quality.

3. Computer application teaching optimization resistance under the background of Internet

3.1 Insufficient informatization teaching literacy

At this stage, many university computer teachers begin to complete the teaching task with the help of Internet technology, but the actual teaching effect is not ideal, and there are few breakthroughs in the teaching process and teaching content. The reason is that teachers fail to master a high level of professional knowledge of information technology. In order to realize the optimization of computer application teaching in the context of the Internet, teachers need to have a high level of information concept and information technology. In this context, college computer teachers will consume a lot of time and energy when dealing with online teaching resources, which will hinder the efficiency of the application of Internet technology in college computer application teaching. When the Internet technology is applied in the teaching of computer applications in Colleges and universities, teachers should fully sort out the existing online resources, and complete the recording and editing of micro lessons in combination with classroom resources, as well as the interest and understanding ability of college students, which requires teachers to have a relatively solid information literacy as a support.

3.2 Heavy teaching tasks

In order to better meet the personalized needs of college students, teachers should ensure the diversity of courseware making when carrying out the optimization of computer application teaching under the background of the Internet. For this reason, we need to spend more time collecting educational content related to teaching content before we can make teaching video, which is a large project that needs the cooperation of university computer teachers. However, many computer application teachers in Colleges and universities need to undertake more scientific research tasks and class hour tasks, which makes it difficult for them to persist in the construction of online resources due to heavy work.

3.3 Insufficient hardware and software facilities

When carrying out the optimization of computer application teaching in the context of the Internet, teachers need to use mobile devices such as smartphones and tablets, whether in the form of SPOC, MOOC or mobile cloud class. However, the construction of such hardware and software facilities in some colleges and universities is not perfect, which will bring a lot of inconvenience to college students' learning, thus affecting their computer learning experience. In addition, although there are a variety of online teaching platforms on the market at this stage, these platforms may be difficult to meet the needs of computer application teaching in Colleges and universities in terms of functional design, and there are also many inconveniences in operation. If colleges and universities independently develop online teaching platforms or app software, the cost of daily maintenance, resource storage, software design and other aspects will be very high.

4. Optimization strategy of computer application teaching under the background of Internet

4.1 Improving the teaching staff to ensure the teaching quality

Teachers play a very important role in the optimization of computer application teaching in the context of the Internet. Therefore, the comprehensive ability level of teaching is the key to improve the quality of computer application teaching. From this point of view, in order to improve the application effect of Internet technology in computer application teaching in Colleges and universities, we must start from improving the level of teachers, and help them better master the application skills of Internet technology, so as to lay a solid foundation for their subsequent practice. Generally speaking, the optimization of computer application teaching in the context of the Internet is divided into online and offline teaching. Teachers should not only sort out and analyze the knowledge points of the corresponding computer application course, but also have the corresponding teaching ability. At the same time, in order to ensure the effect of education, teachers should constantly improve their innovation ability and consciousness, and carry out innovation and optimization of the application mode and process of Internet technology in computer application teaching in Colleges and universities according to the actual situation, so as to enhance the application value. To this end, the school can improve the educational level of university computer teachers from the following aspects.

First, the school teachers' management department should realize that teachers' information literacy is an important basis for improving the level of school education. Therefore, school leaders should actively change their management ideas according to the actual situation, take the development of teachers' comprehensive quality and information teaching ability as important work content, and carry out more high-quality training on this basis. Second, the goal of improving teachers' informatization literacy is clear, and it is implemented in the school management and development system. Teachers are regularly organized to participate in the research work of excellent schools, so as to help them improve their knowledge system and improve their comprehensive level of informatization teaching. Third, innovate the management concept. In the daily management work, the school should provide teachers with high-quality learning environment and hardware facilities, so that they can better implement their informatization teaching ideas into the specific teaching work, so as to lay a solid foundation for the optimization of computer application teaching under the background of the Internet.

4.2 Pre class comprehensive analysis, planning online preview

When carrying out the optimization of computer application teaching under the background of the Internet, if we want to improve its effectiveness, we must pay attention to the in-depth analysis of College Students' knowledge reserve, cognitive ability, interest tendency and other factors, so as to find the convergence point of the two, so as to more efficiently select online teaching resources and improve the level of online preview and online teaching. Moreover, the application of Internet technology to the teaching of computer applications in Colleges and universities can help college students gradually master a new learning mode and improve their learning initiative, which plays an important role in promoting the development of their comprehensive quality. Therefore, when carrying out the optimization of computer application teaching under the background of the Internet, we should ensure the smooth online preview link, which requires us to make corresponding preparations, improve the construction of self-study guidance system, and further enhance the knowledge reserve of college students.

In practice, we should pay full attention to the pre class introduction. Generally speaking, high-quality classroom introduction can make college students focus on classroom knowledge learning from recess games faster, so as to help them enter the learning state faster. In the past, few teachers can pay attention to this link in the teaching of computer applications. They usually just let college students look through the textbooks before class, have a basic understanding of the concepts and professional knowledge, and then start the teaching work. Such a teaching method can not guarantee that college students will focus on the classroom at the beginning of the course, which will affect the teaching effect of the whole class. To this end, we can make full use of Internet technology to play some attractive, interesting and guiding micro class videos for college students in the pre class introduction link, so as to stimulate college students' curiosity and desire to explore computer application knowledge, and lay a solid foundation for the efficient development of subsequent teaching work.

For example, when carrying out the optimization of computer application teaching in the context of the Internet, in order to arouse the interest of college students in computer application learning, we can download some interesting video materials for them on the network, make them into micro classes, and then broadcast them to college students in class. When watching the video, the eyes of college students are firmly attracted to the video content. When the video is over, we can clearly feel that college students still have more to say. After teaching, college students' interest in computer application learning has become unprecedented, and the teaching quality has also been greatly improved. It can be seen that the use of micro lecture can effectively arouse the interest of college students in computer application learning.

4.3 Introduce media video to enrich teaching content

Through the analysis of college computer application textbooks, we can find that the content is highly abstract. In addition, due to the length of textbooks, the introduction of many knowledge points is not perfect, which will virtually hinder the formation of College Students' computer application knowledge system. However, in the teaching of computer applications, few teachers can take the initiative to use Internet technology to find the corresponding teaching resources of computer applications from the network, which is very unfavorable to the improvement of the teaching level of computer applications in Colleges and universities. In view of this, when we carry out computer application teaching in Colleges and universities, we can try to use the power of media video to find some media video resources related to teaching content from the network, and use multimedia equipment to present in front of college students, so as to enrich the teaching content. In order to enhance college students' understanding of knowledge at different levels, we should first classify college students when selecting video resources, so as to make media video play the greatest role in college computer application class.

4.4 Build self-study platform and cultivate self-study habits

In order to further improve the effectiveness of computer application teaching in Colleges and universities, we should pay attention to the cultivation of College Students' self-learning ability. By guiding college students to develop a good habit of self-study, they can better review their computer application knowledge, so as to strengthen their mastery and application level of computer application knowledge. However, in the past computer application teaching, few college students can carry out high-quality autonomous learning. The reason is that they lack an effective autonomous learning platform. In the past, it was difficult for college students to solve problems at the first time when

carrying out autonomous learning. This will not only affect their self-study efficiency, but also affect their self-study mentality and self-study confidence, thus gradually hindering the formation of their autonomous learning habits.

In view of this, we can combine with the actual situation of our school, make use of Internet technology to open up the path of autonomous learning for college students, and help college students solve the problems encountered in the process of self-study in time by building an online self-study platform for them. When college students encounter bottlenecks in autonomous learning, they can upload the problems they encounter to the online autonomous learning platform, and then solve the problems with the help of teachers and classmates, so as to ensure the smooth development of subsequent autonomous learning.

summary

To sum up, if we want to improve the optimization effect of computer application teaching under the background of the Internet, we can improve the teaching staff and ensure the teaching quality; Pre class comprehensive analysis, planning online preview; Introduce media video to enrich teaching content; The construction of self-study platform and the cultivation of self-study habits are analyzed, so as to promote the quality of computer application teaching to a new level in the background of the Internet.

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