Research on modularization teaching strategy of computer network technology specialty in higher vocational colleges

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Abstract: With the deepening of vocational education reform, the teaching of computer network technology in higher vocational colleges should be further optimized. Teachers should actively introduce new education concepts and teaching methods, so as to better arouse students' interest, strengthen their understanding and application of the knowledge, and improve the education effect. Modular teaching, as a popular education model, can greatly enrich the teaching content of computer network technology in higher vocational colleges, broaden the path of education, and greatly promote the more comprehensive development of students. In view of this, this paper analyzes the modular teaching of computer network technology major in higher vocational colleges, and puts forward some strategies for your colleagues' reference.

Key words: higher vocational colleges; Computer network technology; Modular teaching; strategy

I. the significance of modular teaching of computer network technology major in higher vocational colleges

1. It is conducive to meeting the market demand

With the continuous development of China's Internet industry, the market demand for high-quality computer network technical personnel is constantly increasing. Under the previous teaching mode of computer network technology, few high-quality talents can be trained to meet the needs of The Times and market expectations. To this end, we can try to integrate new education methods and teaching concepts into the computer network technology classroom, so as to further optimize and expand the teaching path and greatly improve the teaching level of computer network technology. Through the application of modular teaching to computer network technology teaching, higher vocational students can take the initiative and actively participate in knowledge exploration and learning, which can virtually help them form better thinking ability and analysis ability, so that they get more comprehensive development. In addition, in the process of completing one module after another, the analytical thinking ability, data sorting ability, communication and coordination ability of higher vocational students will be further developed, which has an important role in promoting the solution of various practical problems.

2. It is beneficial to enrich the teaching content

In the previous computer network technology teaching, few teachers can reasonably use the new educational resources, they prefer to combine teaching materials to carry out teaching work, which is very unfavorable to the improvement of the computer network technology knowledge system of higher vocational students. Through the introduction of modular teaching method, the teaching content of computer network technology can be further expanded, so that higher vocational students can come into contact with more rich, interesting and novel knowledge content, so as to promote the further development of their comprehensive ability and accomplishment of computer network technology, so that the reform effect of computer network technology teaching can be raised to a new height.

3. It is conducive to easing the pressure of employment

If the teachers of higher vocational colleges can reasonably apply the modular teaching method to the teaching of computer network technology, it can not only effectively expand the teaching content of computer network technology, but also help the higher vocational students to form higher professional quality and professional ability, so that they can better meet the market's expectations for computer network technical talents, which is of great significance for their future employment. Through the application of modular teaching method in the teaching of computer network technology, the core competitiveness of higher vocational students in the market of computer network technology can be greatly improved, so that they can take the initiative and actively participate in practical work, which can effectively alleviate the employment pressure of the current society, and provide an inexhaustible driving force for China's economic construction and tourism market development.

4. Help to promote the development of enterprises

In the past, when teaching computer network technology in many higher vocational colleges, it is difficult for higher vocational students to have in-depth knowledge of computer network technology theoretical courses, and their ability to solve practical problems needs to be improved. This will lead to their difficulty to work efficiently in a short time after entering the enterprise, and they need to receive certain on-the-job training, which will lead to a waste of human and material resources. By applying the modular teaching method to the teaching of computer network technology, it can help higher vocational students to understand the theoretical knowledge of computer network technology more systematically and comprehensively, so as to promote the further development of their professional ability and literacy, enhance their compatibility with computer network technology posts, and enable them to enter the work state faster after entering the enterprise. Reduce the education cost of enterprises, and help enterprises to obtain higher economic benefits.

II. Analysis of modularization teaching status of computer network technology specialty in higher vocational colleges

1. The teaching form is single, and what you learn is not practical

At present, when carrying out modular teaching of computer network technology major in higher vocational colleges, many schools have failed to introduce new educational methods and teaching concepts, and some teachers still use the infusing method to carry out teaching activities, which is extremely unfavorable to improving the modular teaching effect of computer network technology major. In addition, some teachers often focus on the theoretical research of computer network technology in the modular teaching of computer network technology majors, and fail to analyze and summarize some practical modules and cases. This will also affect higher vocational students to master the theoretical knowledge of computer network technology, which is not conducive to their ability to convert the knowledge of computer network technology into practice. Thus, it will have a negative impact on their future employment. At the teaching level, the teaching content of computer network technology in some higher vocational colleges is not practical, which will lead to high vocational students in the face of some practical problems in enterprises, it is difficult to solve efficiently, resulting in a sense of frustration, which is not conducive to the improvement of computer network technology teaching effect.

2. The professional ability is low, professional quality is not high

When carrying out the modular teaching of computer network technology, school-enterprise cooperation is a very important way to educate people. Through the analysis of the previous teaching practice of computer network technology, it can be found that some enterprises are reluctant to accept higher vocational students. There are two main reasons for this problem: First, many higher vocational students do not have the professional ability of computer network technology. Influenced by the previous teaching forms and ideas, some vocational college students do not have a deep grasp of the knowledge of computer network technology. As a result, when they solve the problems of computer network technology, they may not know where to start. The process of solving various problems of computer network technology also has certain problems, and the overall efficiency is not high. This is very unfavorable to the development of computer network technology enterprises. Secondly, some higher vocational students are not highly literate in computer network technology. Under the background of the new era, most of the higher vocational students grow up in a favorable environment, and they seldom experience setbacks and blows, which will lead to their lack of corresponding hard-working spirit. When they encounter problems in work, they often give up easily, which has a great hindrance to the development of their comprehensive ability.

3. Weak teaching staff and insufficient updating of ideas

At present, many higher vocational colleges in the recruitment of computer network technology professional teachers, often take academic background as the main criterion to evaluate the ability of candidates, rarely analyze their practical ability of computer network technology, the investigation of their innovative thinking is not enough, which will have a great adverse impact on the future reform of computer network technology teaching. In addition, few teachers can carry out in-depth analysis in combination with the actual needs of computer network technology enterprises, and the research on some new computer network technology concepts and methods in the market is not thorough enough, which will hinder the development of computer network technology teaching. It can be seen from here that the level of teachers will have a great impact on the teaching of computer network technology, which is also the problem we should pay attention to when we carry out the teaching of computer network technology.

III. The computer network technology professional modular teaching preparation

1. Analyze the job needs and adjust the teaching ideas

In higher vocational colleges, the effective means to improve the quality of modular teaching of computer network technology majors is to improve the education system and ensure that it is more reasonable and scientific. To this end, teachers can start from modular teaching, establish more clear and explicit education goals, in order to improve the teaching quality. Before this, teachers should have a deep understanding of the professional job market, combined with the needs of the corresponding positions of various enterprises, adjust their teaching ideas, and put forward more clear requirements for higher vocational students. Through this form, the teaching process can be greatly optimized, and the efficient, high-quality and rapid training of talents can be realized.

2. Analyze the work flow and improve the course content

Before implementing modular teaching, teachers should first understand the important issue of "what to teach". To this end, teachers should understand the work flow of enterprise network technology positions in detail, analyze the knowledge and technology involved, and take this as a benchmark, timely supplement the computer network technology teaching materials, to ensure the integrity of the knowledge of higher vocational students. In addition, for some repetitive and old knowledge content, teachers should simplify and delete, reduce the difficulty of higher vocational students' learning, so that they can make full use of time and improve learning efficiency.

IV. The modularization teaching strategy of computer network technology specialty in higher vocational colleges

1. Improve the personnel training system and lay the teaching foundation

If modular teaching is to play an effective role in the teaching of computer network technology majors in higher vocational colleges, the role of teachers cannot be ignored. Therefore, higher vocational colleges should improve the talent training system, help teachers break through the shackles of teaching thinking and habits, and actively innovate teaching forms and contents, so as to achieve high-level education

and teaching. In the teaching practice, teachers should be able to combine the situation of higher vocational students, timely adjust the teaching form and content, ensure that teaching and higher vocational students' learning fit, meet the higher vocational students' expectations of knowledge, so as to lay a solid foundation for their subsequent employment. In addition, in teaching, teachers should start with theory and pay attention to the improvement of practical ability of vocational students. By introducing life elements into the teaching process, they can gradually transform the knowledge they have learned into problem-solving ability and accomplishment. Vocational colleges can regularly organize teachers to observe and learn in other schools, so that they can find their own shortcomings in communication with other teachers, so as to improve their own teaching process, and make modular teaching play a greater role in the classroom of computer network technology.

2. Promote the interest of higher vocational students with the help of micro-class videos

When learning computer network technology, it is difficult for most vocational college students to devote all their energy to the classroom, which has a great impact on the efficiency of teachers' modular teaching. In addition, some vocational college students are not focused enough in class, and often talk to the surrounding vocational college students and play mobile phones, which not only affects their learning efficiency, but also has a certain impact on teachers' teaching mentality. To this end, teachers can introduce micro-class videos to carry out pictorial and vivid processing of the modular knowledge of computer network technology, so as to help higher vocational students return to class and strengthen their learning interest. For example, when explaining the knowledge of "basis of program design", teachers can use the video to make the abstract and tasteless program design process into a series of animations, and simplify the complicated knowledge and pass it on to the higher vocational students, which is conducive to the higher vocational students' understanding of this part of the content, and can greatly strengthen the initiative of the higher vocational students to participate in the class of computer network technology.

3. To carry out group cooperation and strengthen the understanding of higher vocational students

Under the modular teaching, the understanding of knowledge of vocational college students should be changed from the previous "point" to "network". In learning, higher vocational students need to cooperate with each other to explore a certain module of knowledge. A single knowledge point is difficult to support higher vocational students to complete the exploration task, which requires them to gradually integrate knowledge and form a knowledge network, so as to efficiently solve various problems. Before modular teaching, teachers can group higher vocational students to ensure that each group contains different levels of higher vocational students, so that they can think from different angles and directions when facing problems, and broaden the width and depth of the consideration of the higher vocational students team. In addition, the form of team learning can help higher vocational students form a spirit of unity and cooperation, which is very helpful to their follow-up employment. For example, when teaching the knowledge of "network management and security", the teacher can provide some network security problems to vocational students, let them understand the fault performance and various parameters through text and pictures, and then ask them to solve the fault as a team. In this way, vocational students can develop their own professional quality and professional ability in cooperation, strengthen their understanding and application of knowledge, and gain a more comprehensive development virtually.

V. Summary

To sum up, if we want to improve the modular teaching effect of computer network technology in higher vocational colleges, we can improve the personnel training system and lay the teaching foundation; With the help of micro-class video, to enhance the interest of vocational students; Carry out group cooperation, strengthen the understanding of higher vocational students and other aspects of analysis, so as to virtually promote the teaching quality of computer network technology in higher vocational colleges to a new height.

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