Research on the Teaching Mode of Public Computer Courses in Colleges and Universities

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Abstract. At present, computer courses have become the basic courses of colleges and universities in China. The fundamental purpose of this course is to cultivate students' practical ability. Therefore, the teaching content of educators should keep pace with the times and strengthen reforms. And innovative computer courses. At the same time, colleges and universities should actively cooperate with enterprises to develop computer training teaching mode, which is an important topic in computer teaching in modern universities.

Keywords: Colleges, computer courses, practical teaching mode.

1. Introduction

The computer curriculum design of colleges and universities emphasizes the foundation, pays attention to practice and innovation. Therefore, while ensuring the basic theory remains, it should also open some innovative practical courses to improve students' computer skills and meet the requirements of modern social development. In addition, some universities in China have neglected the construction of sound and standardized, adapting to the modern society's educational practice ability training mechanism, hindering the improvement of college students' problem-solving ability, without deepening the commercial working environment, which undoubtedly makes it difficult for the students to train. Modern society requires good survival and development. Therefore, it is imperative to build a computer training teaching mode.

2. College Computer Course Design

2.1 Teaching Material Design

When designing a computer course, the specific teaching objectives should be established for the main tasks of the computer major. In addition to constructing a teaching system that is adapted to the basic theoretical knowledge, the teaching method of the experimental course should be rectified accordingly to ensure that the students can Learn to use it.

2.2 Teaching Management Design

In the design of teaching management, we must not only do a good job in textbook design, but also train a group of high-quality teachers, purchase all kinds of practical hardware facilities, establish scientific rules and regulations, and special laboratories, etc. A good learning environment [1-2].

2.3 Teaching Reform Design

Specifically, the following aspects should be done: First, enrich the practice links and cultivate hands-on ability; the computer course has strong practicality. Therefore, in teaching, educators should enrich the practice class and abandon the traditional "write" and " Read the "main classroom." At the same time, educators should also strengthen the management of practical courses, and truly ensure that students' ability to participate in the practice of classrooms is effectively improved, and the role of the practical classroom should be fully exerted.
Fig. 1 Computer Teaching Reform

The key to setting up a computer practice course is to develop a computer-based course, which will enable students to closely link the theoretical knowledge they have learned with their practice, and their skills in computer operation, program debugging, and accurate verification will increase. When teaching on the computer course, educators should not only introduce computer professional knowledge to students, but also strengthen teaching management. After the students practice through the machine, the educator should let the students provide the corresponding experimental report, and also ensure the standardization of the student's experimental report form, which is a quality that a professional programmer must achieve. Before the students operate on the machine, the educator should ask the students to prepare the contents of the machine in advance, so that once the students are on the computer, they can clearly know the specific content of the machine, so as to achieve targeted exercises and prevent the temporary writing of programs in the classroom. In turn, it affects the teaching effect.

Secondly, open teaching topics to mobilize students' interest in learning; in computer curriculum design, educators should also pay attention to cultivating students' ability to discover and solve problems. This is an indispensable skill for students to write and improve their own programs. Therefore, educators should carry out teaching by asking questions, and open-ended questions for students, so as to motivate students' enthusiasm for learning. Students also like this kind of open teaching, and their thinking is more and more active, actively thinking and exploring, and discovering the problem can be solved in time, and the innovative thinking is sublimated and improved.

In addition, the use of multimedia technology to enhance the classroom vitality; the teaching process of computer theory knowledge is relatively boring, most students have a conflicting psychology, so educators should use a variety of teaching methods to cultivate students' interest, and thus actively participate in learning activities. Come in. For example, through the multimedia teaching method, the original abstract knowledge can be embodied and visualized, so that students can intuitively feel the knowledge they have learned, so that students will naturally like computer courses, thus continuously improving their academic performance. Another example is to open an online classroom, to provide students with a harmonious network environment, and to make them interact well in the environment, such as Weibo, WeChat, etc. These multimedia forms favored by modern college students are helpful to students' interest in learning.
3. Construction of Computer Training Teaching Mode in Colleges and Universities

3.1 Enterprise Production Training

Modern colleges have opened internships in the last semester of junior or senior year. It is mainly arranged to organize students who are graduating to go to the production line for internship or graduation internship, and conduct targeted training so that students can learn about the work content related to their majors in advance, and also have an extraordinary significance for the improvement of students' employment skills [3].

3.2 Base Project Training

The so-called base project training refers to the establishment of a specialized training base in the enterprise, which closely combines the actual project with the teaching link, so that the students can conduct commercialized project training in the teaching environment that understands the actual work of the enterprise.

3.3 Advantages of Computer Training

Through practical training, colleges and universities can enhance students' professional theoretical level, cultivate students' practical ability, and cultivate students' professional qualities, so that they can be quickly integrated into the work environment after graduation. Specific advantages are:

First of all, it enhances students' ability to solve problems; commercialization projects are mainly based on advanced technology, with a sound project structure, and the programs are effective, not only applied in theoretical research, but also applied in practical fields. In the course of training, in addition to the realization of the design system function and the effectiveness of the system operation, the students must also write the relevant project documents according to the overall process of commercial project development. Therefore, through the commercialization project training, the students can make the project the development participation interest has been improved, the students' ability to analyze and solve problems has been cultivated, and the students' knowledge fields have been enriched. Students can grasp the application of computer technology from various angles, and gradually learn the development technology with high practical value in practice [4].

![Computer training course reform advantages](image)

**Fig. 2** Computer training course reform advantages

Secondly, it improves students' adaptability to enterprises; computer training in colleges and universities covers professional skills training and professional quality training. Through the cultivation of students' professional quality, their professional quality is improved, so that students...
can truly understand the quality of employees. The basic requirements allow students to experience the competitive atmosphere of the enterprise in advance, thereby improving their psychological endurance and technical level.

In addition, it avoids the difficulty of students' employment; computer training helps students realize the dual transformation of professional knowledge into professional skills, student roles and employee roles, ensuring that students meet the specific needs of modern enterprises, and thus take the lead in the job market.

4. Conclusion

In summary, it can be seen that in the design of computer courses in colleges and universities, the ability of students to operate in practice should be strengthened, and the internal structure of computer hardware and its working principle should be mastered as much as possible. And cultivate students' ability to analyze and solve problems, build a practical teaching mode of computer education and enterprise collaboration in colleges and universities, and strive to train a group of outstanding computer talents for the society.

Acknowledgments

This work was supported by Jiamusi University Teaching Research Project (Project No.: 2018JYXB-041, 2017LGL-011, 2016JL1025).

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