

# Preliminary Study on the Application of Online and Offline Mixed Teaching Mode in Computer Teaching in Higher Vocational Education

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**Abstract:** Compared with the traditional teaching mode, the mixed education mode is more in line with the development trend of modern education. The fundamental requirement for the development of modern my country's higher vocational education is to integrate information technology into education. The new viewpoints of educational reform in higher vocational colleges are embodied in online and offline mixed teaching, and mixed teaching is also widely used in higher vocational computer teaching. The mixed teaching mode can not only satisfy the individual needs of students and promote the improvement of students' independent learning ability, but also fully demonstrate the students' subjective status in teaching activities.

**Keywords:** Higher Vocational Education; Computer Teaching; Online and Offline Mixed Teaching

Higher vocational colleges are mainly responsible for cultivating compound technical talents. Under the traditional teaching mode, the main body of teaching is usually teachers, and teaching activities are also led and controlled by teachers. Students' learning is completely passive. The traditional teaching model ignores the differences of students' learning, cannot meet the individual needs of students, and seriously hinders the development of students' independent innovation ability. With the rapid development of information technology, online and offline hybrid teaching models are gradually integrated into the field of computer teaching, which enhances students' awareness of autonomous learning, increases students' interest in learning, and greatly improves teaching effects. The application of the mixed teaching mode does not mean the abandonment of the traditional teaching mode, but the inheritance and innovation. The construction of this teaching mode opens up a new path for education.

## 1. Introduction to online and offline mixed teaching

The so-called online and offline hybrid teaching is an innovative teaching model based on the traditional teaching model combined with the advantages of the Internet. This new teaching model requires teachers to use information technology to show the classroom content explained to students in classroom teaching to achieve class teaching process combined with online teaching allows students to carry out learning according to their own learning time and learning ability, which enhances students' autonomous initiative.

## 2. The characteristics and advantages of online and offline mixed teaching mode

The characteristics of online and offline hybrid teaching are mainly manifested in the four aspects of teaching content, form, means and evaluation. First, the teaching content, online and offline hybrid teaching can break the limitations of the traditional teaching mode, design teaching content around the students' interests and concerns, so that students' basic needs are more in line with the development of society; second, teaching methods Online and offline hybrid teaching is to reform

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the traditional teaching mode, injecting network teaching into traditional teaching, making teaching forms more diverse; third, the teaching methods, traditional teaching methods are too single, and online and offline hybrid teaching uses multimedia and other information full use of technology in the curriculum, through a variety of teaching methods to make students' knowledge acquisition more intuitive, and a strong interest in learning; fourth, teaching evaluation, online and offline hybrid teaching effectively combines the teaching process and teaching results, so that teaching The appraisal and evaluation are more scientific and objective.

Online and offline blended teaching can reduce the workload of teachers. This is very different from traditional instillation classroom teaching. Students get a lot of time for analysis and thinking in learning, so that students are no longer dependent on learning. For teachers, change from a passive learning state to an active state. The online and offline hybrid teaching also enhances the communication and interaction between teachers and students. The emotions between teachers and students are enhanced. Students' learning needs can be grasped in time by teachers through the communication between teachers and students. The most advanced science and technology and the latest knowledge system in social development can be learned in real time through the Internet, so that students have a wider range of knowledge. The online and offline hybrid teaching model meets the requirements of social development, and at the same time promotes the development of education to a large extent.

### **3. The status quo of computer teaching in higher vocational colleges**

Based on the background of the information age, computer teaching courses in higher vocational colleges should not only educate and guide students' abilities in office automation, but also cultivate students' habits and abilities to use information technology to solve problems in professional fields. There are still many problems in computer teaching.

#### **3.1 Students lack the ability of independent learning and innovation**

First of all, affected by the traditional teaching model, most vocational colleges still adopt the teaching method with teachers as the main body, which reduces the enthusiasm of students in learning and neglects the cultivation of students' autonomous learning ability; secondly, the teaching methods lack interest. The operation and explanation are based on the content of the textbook, and the computer courses are not paid enough attention. They believe that the computer has been popularized, and the courses have not been explored in depth. Thirdly, the students' innovation ability is insufficient and they cannot take the initiative to use when facing professional problems Information technology methods to solve.

#### **3.2 Lack of self-consciousness for extracurricular learning**

The Internet and mobile terminal technology have been widely used in students' daily life and study, and most students spend their extracurricular time on cellphone chat, video or games. Students use the Internet and cell phones in an unreasonable way and do not pay attention to use In their spare time, they independently improve their professional knowledge and information technology application ability. Teachers also fail to guide and supervise students to use their extracurricular time to learn online knowledge and training skills.

### **4. Application of online and offline mixed teaching in computer teaching in higher vocational education**

#### **4.1 Fully prepare for online teaching before class**

Students should regard the Internet as a learning tool, and teachers must do their best preparations and make full use of the teaching platform to guide students to better study. The online and offline hybrid teaching model is a reform and innovation of the traditional teaching model, and has played a positive role in promoting education to a higher level. Teachers can fully mobilize students' interest in learning by making teaching videos. Teachers also need to fully apply teaching software to teaching, effectively integrate teaching models and teaching knowledge, and promote further innovation in teaching work. The important and difficult knowledge points can be made into an upgraded game mode, which can fully mobilize the participation of students, and can also basically understand the proficiency of students' knowledge. Thirdly, the teacher summarizes the problems that arise in student learning through the online learning platform, which can quickly and effectively answer the students online, which greatly improves the learning efficiency of the students in the class. For example, in the process of

learning office automation knowledge, students use finished word cases to demonstrate to students and produce documents, so that students can master and understand knowledge more easily and conveniently. All kinds of works can easily affect students, enhance students' interest in learning, and to a certain extent satisfy students' actual learning needs. In addition, in order to enable students can scientifically and rationally integrate the knowledge they have learned, teachers should give students a comprehensive explanation, thereby enhancing knowledge cognition and making the construction of students' knowledge structure more complete.

## **4.2 Improve the testing of students' learning effects**

Classroom teaching work is offline teaching work. Teachers should scientifically analyze the current education model. The content of teaching should not be limited to the classroom, but also let students master the knowledge proficiently to achieve the best learning effect. Therefore, teachers need to give students appropriate guidance, help students understand knowledge more deeply, combine theoretical knowledge with practical operations, and fundamentally improve students' practical ability. The teacher is in the computer teaching process. Dividing students into small groups and carrying out learning in small groups will help enhance mutual help among students and improve their knowledge reserves. Therefore, teachers should take the actual situation of students as the starting point, design targeted teaching and training content, and conduct scientific and objective tests on the effects of students' online learning. It is also necessary to collect the problems of the students so that the teaching guidance can be based on. Secondly, the group cooperation mode can fully stimulate students to analyze the problems that appear online, which not only cultivates students' sense of collaboration, but also improves their problem-solving ability. In the student group mode, teachers should give students some guidance, and focus on explaining common problems, which will help students have a comprehensive understanding of the problems. Finally, teachers use an efficient and comprehensive evaluation system to make scientific and objective evaluations of students' learning processes and practical activities, which is conducive to improving teachers' teaching results and students' learning effects.

## **4.3 Conducive to improving students' learning ability and achieving personalized development**

In the teaching process, teachers should effectively integrate online and offline teaching not only to understand students' problems in the learning process in time, but also to discover their own problems in the teaching process, and insist on improving and perfecting the teaching model. Make it a comprehensive and effective innovation, so as to achieve the teaching goals. In higher vocational computer teaching, first start with classroom teaching, explain the relevant basic knowledge to students in the form of classroom, and then use a convenient and fast online mode to fully mobilize students' interest in learning, which helps students Combine theoretical knowledge with practical operations, and actively guide students to improve their learning ability.

## **5. Conclusion**

The online and offline hybrid teaching mode plays an important role in computer teaching in higher vocational education, which enhances students' interest in learning, improves students' autonomous learning awareness and learning efficiency, and helps promote the development of my country's education.

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