

# On the Teaching Reform of the Basic Course of Computer Application in Higher Vocational Colleges

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**Keywords:** Higher vocational colleges, Basic course of computer application, Reform in education

**Abstract:** Owing to the rapid progress of information technology, computer has become a crucial part of people's real life. The demand for computer professionals is growing. As a crucial education department for training professional talents, colleges can effectively enhance the computer skills of students of different majors by developing basic courses of computer application. But there are some problems in the basic courses of computer application colleges. Based on this, this paper analyzes the computer application teaching reform in colleges, aiming to enhance the teaching quality and foster more high-quality talents for the society.

## 1. Introduction

The main educational aim of colleges is to foster application-oriented talents with solid professional foundation and good professional skills for the society, who can directly go deep into the front-line work<sup>[1]</sup>. Higher vocational college students generally work in the front line after graduation. Currently, computers are widely applied in all walks of life. The popularization of computers requires that every employee has certain computer operation ability. The basic course of computer application in colleges can effectively enhance students' computer application ability. Therefore, colleges should combine the trend of the times and the actual teaching situation of computer courses to formulate a practical reform plan, so as to enhance the teaching quality.

## 2. Current Situation of Computer Application Basic Course Teaching in Higher Vocational Colleges

### 2.1 Students

First of all, to effectively enhance the teaching quality and efficiency of the basic computer application course, colleges must fully recognize the students' learning needs and abilities. Because the teaching subject of the basic course of computer application is students, only by making the teaching content and teaching form meet the students' learning needs, can students' computer application ability be better enhanced. According to the analysis of the current situation of students, many of them show great differences in computer application ability at the initial stage of enrollment<sup>[2]</sup>. This is mainly due to the students' living environment. Different senior high school life and educational environment will lead to students showing varying degrees of interest in computer learning, basic abilities, etc. In view of this situation, colleges should further optimize the course content to help some students fill the gap in computer application foundation.

Secondly, students' personal learning thinking and attitude are also crucial factors that affect the reform of basic computer application courses. In recent years, owing to the innovation and progress of science in China, computers have been widely applied in people's life, work, study and other aspects. Students can use computers for online learning, information query, social entertainment, etc. This has led some students to believe that the basic course of computer application only explains how to operate computers, and that they have mastered this skill, so they are not motivated to learn<sup>[3]</sup>. In addition, some students think that they can play games in the basic course of computer application, so they have high expectations for the course. In the actual teaching, facing a lot of

theoretical knowledge, they reduce interest in studying. In view of this phenomenon, teachers should focus on the positive guidance of students' learning attitude, and urge students to realize the crucial role of learning the basis of computer application.

## **2.2 Curriculum**

There are also some problems in the arrangement of the basic courses of computer application. First of all, although colleges have actively carried out curriculum reform and added basic courses of computer application, the arrangement of class hours is not reasonable. Currently, the teaching time of most vocational colleges is 4 months, which can be simply divided into 16 weeks<sup>[4]</sup>. However, the class hours of the basic course of computer application are only two classes a week. As the basic course of computer application is a subject with both theoretical knowledge and practical operation, students need to constantly strengthen memory and practical operation. If the course interval is too long, students' learning efficiency will be reduced, which will affect the effective improvement of students' computer application ability. It is not difficult to find out from the class hour arrangement of basic computer application courses that in essence, colleges lack the attention of basic computer application teaching.

Moreover, colleges also have obvious problems in the setting of teaching content. At this stage, when vocational colleges develop the basic courses of computer application, they mainly explain the basic information of computer hardware, the basic information of common system software, and the operation of general office software. Not only is the teaching content short of new ideas, but also due to the small amount of class hours, there will be problems that the teaching content cannot be explained in depth, thus hindering the improvement of computer application ability of students. Based on this, colleges should focus more on the basic courses of computer application, reasonably allocate the courses, and optimize the teaching content, so as to lay a foundation for the formation and progress of students' computer application ability. There are also some deficiencies in actual teaching. For instance, the professionalism of teachers needs to be enhanced. In the actual teaching activities, they only use computer to make teaching courseware and explain practical knowledge theoretically. This approach not only fails to achieve good teaching results, but also reduces students' enthusiasm for studying.

## **3. Teaching Reform Strategies of Computer Application Basic Course in Higher Vocational Colleges**

### **3.1 Reform Teaching Mode**

First, reform the teaching methods. Teaching method is a crucial influencing factor of teaching quality and effect. Only by reforming teaching method can colleges better arouse students' interest in studying and enhance teaching effect. As a course with both theoretical knowledge and practical operation, the basic course of computer application can make abstract computer theoretical knowledge concrete, and help students deeply recognize and master corresponding computer operation methods through specific examples<sup>[5]</sup>. Moreover, teachers can guide students to find solutions and methods in what they learn by asking questions in class. In this process, teachers can guide students to operate on the platform. In this way, students' interest can be aroused to the maximum degree and their self-confidence in studying can be enhanced.

Secondly, teaching should be carried out at different levels. Each student's learning ability and recognition ability have certain differences. Stratified teaching can enhance the pertinence of basic computer application teaching and effectively strengthen students' computer application ability. Before the beginning of the semester, teachers can conduct a questionnaire survey on students to know their recognition of basic computer application knowledge and their personal computer application level. Based on the observation and survey results, students with good computer application foundation can be divided into a study group, and some practical after-school homework can be arranged in the course teaching activities, such as the production of electronic blackboard newspaper and personal resume. For students with poor computer application foundation, teachers

can focus on guiding students to learn basic professional knowledge and practice basic skills in teaching activities to help students consolidate their foundation. Meanwhile, teachers can also help students with tutoring in their spare time, so as to enhance their basic level of computer application.

### **3.2 Reform the Teaching Content**

First, focus on the selection of appropriate textbooks. Currently most teachers develop basic computer application teaching activities mainly based on books and textbooks. Therefore, in order to effectively enhance the quality and effect of teaching and strengthen students' basic ability of computer application, teachers should focus on the choice of teaching<sup>[6]</sup>. First, the content of textbooks should be ensured that they have basic knowledge points, and conform to the learning ability of students in terms of difficulty. Secondly, teachers should reasonably choose textbooks based on the post needs of different majors and students' learning ability. Since the basic teaching of computer application is carried out uniformly for all students, the preference and absolutization of majors should be avoided in the selection of teaching materials, so as to effectively enhance the computer application ability of all students.

Secondly, teachers should also reform and optimize the specific teaching content, strengthen the practical operability of the teaching content, and then enhance students' computer application ability. For instance, every student needs to complete the production of personal resume and thesis when they graduate. Teachers can take this as the teaching theme, optimize the teaching content, and help students master relevant computer operating skills. In addition, in terms of the setting of teaching content, teachers can also design modules according to the characteristics of different majors, so that students can recognize the crucial role of learning the basis of computer application, and thus enhance students' enthusiasm and initiative in studying.

### **3.3 Reform Teaching Assessment Methods**

Currently, when developing the examination of basic computer application courses, many colleges mainly focus on paper examination and theme task design, which can test the students' learning situation to a certain degree. However, it is not conducive to internalizing the knowledge students have learned into practical skills. Moreover, the current society has high requirements for the computer application ability of talents, who are required to have computer level certificates, professional qualification certificates, English AB level certificates, etc. This comes up with higher requirements for the teaching assessment of computer application foundation<sup>[7]</sup>. Based on this, colleges should break the traditional assessment method, implement computer comprehensive ability examination, change the direction of basic computer application courses to vocational ability training, take vocational qualification certificate as the ultimate teaching goal, integrate teaching and examination, enhance the pertinence of basic computer application courses, and then strengthen students' computer application level and enhance their employment competitiveness. Therefore, teachers should fully recognize the examination standards, scope, content, etc. of the computer grade certificate before the course is carried out, and organically combine it with the teaching content. With the original teaching content unchanged, the comprehensive application ability examination content should be added. This will arouse students' enthusiasm for studying, change their learning thinking, enhance their computer application ability, and lay a good foundation for their future progress.

## **4. Conclusion**

To sum up, there are still many problems in the basic course of computer application in colleges currently, which need colleges to focus on, and choose the appropriate reform method based on their own actual education and teaching situation. Only in this way can we lay a foundation for graduates to show good computer application ability in their future jobs, and push students to become high-quality comprehensive application talents meeting the needs of the times.

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