

Study on Modern College Education Theory and Teaching Methods

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Abstract: The realization of information globalization has brought us opportunities and challenges. Talent is the soft power of the country and an important resource to realize the strength of the country. To improve the quality of talents and cultivate innovative talents to adapt to the development of the times is a major task facing colleges and universities. With the continuous development of science and technology and the continuous improvement of modern educational theory system, the educational system of our country has undergone earth-shaking changes. Under the guidance of modern educational theory and computer technology, university education develops new educational ideas and teaching methods, which promotes the development of education in China.

1. Introduction

With the continuous development of science and technology and the continuous improvement of modern educational theory system, China's educational system is also constantly changing. Under the guidance of modern educational theory and computer technology, university education develops new educational ideas and teaching methods, which promotes the development of education in China.

1.1. Essence of the Teaching Process

The teaching process is essentially a process of communication between the teacher as the information publisher and the student as the information recipient. The information communicated is the state of knowledge content and the knowledge learned by the students and the knowledge given by the teacher. The flow of information is two-way, one-way and up-down. The flow of knowledge is mainly downward, the process of teaching communication is two-way, the feedback and interaction of student information is mainly upward. In different teaching modes and teaching links, the flow direction of information is different, depending on whether the communication between the two sides has feedback and control. The flow of information is accompanied by the communication between the two sides, at the same time, there is a process of knowledge flow, teachers spread to students, students receive signals before decompiling. Coding receiving process, part of the special knowledge due to distortion, screening, omission and other reasons lost, into the students received knowledge, part of the knowledge to be taught. Therefore, the teaching process is a process of information attenuation, the factors that affect the information attenuation are the expression mode of teachers, the interference of classroom teaching environment, the psychological condition of students and the way of decompilation, etc. [1]. In the face of the selected students, to improve the integrity of students' acceptance of information, we can start with the improvement of teaching environment and teaching methods, and focus on the guidance of classroom teaching time, the control of students' thinking mode and rhythm, and the concentration and adjustment of students' attention, which is precisely the problem that the teaching method pays attention to.



Figure 1 Teaching and research association

2. The Influencing Factors and Basis of Teaching Methods Classification

2.1. Factors Affecting the Classification of Teaching Methods

The classification of teaching methods is influenced by the following four factors: teachers' teaching work and resources, students' learning needs and motivation, the possibility of integration of external existing related resources, and the possibility of joint development of teaching resources by both sides, which is the result of the creation and acquisition of external resources by both teaching parties in the course of teaching, that is, the impact on the quality and effect of knowledge dissemination process.

2.2. Classification of Teaching Methods

There are many views that teachers should choose what kind of teaching methods and find suitable teaching methods. However, the author draws a conclusion from teaching experience and some other theoretical studies that teachers' teaching methods are influenced by teaching methods, and the classification of teaching methods is mainly due to the different degree of concern of teaching subjects to teaching objects and teaching contents, which leads teachers to consciously choose different teaching methods.

2.3. Teaching Methods Determine the Choice of Teaching Methods

Teaching method determines the main characteristics of teaching, and teaching method refers to the specific operational characteristics affected by it. In fact, a teaching method can contain many corresponding teaching methods.

3. Problems of Modern Educational Theory in College Teaching

3.1. Unrealized Change in Educational Concepts

To change a model, we must first start with the concept and change a model, which can only cure the symptoms and not the root causes, and can not solve the problem fundamentally. The teaching mode of university education is the same, only from the concept change, the teaching form will have the corresponding change. As far as the current university education in China is concerned, the hardware and technical conditions of modern education are basically available, and the training and study of computer courses are also beginning to be on the right track. But the traditional teacher-centered, students passive learning of the awkward situation has not changed.

3.2. The Mainstream Education Model has not Changed

The traditional teaching idea of teaching as the main body and listening as the center. In the classroom, only complete the process of explaining the textbook, make the classroom atmosphere monotonous and boring, while ignoring the students' self-study, at the same time, reduce the students' practical ability, the cultivation of understanding, belong to the category of examination-

oriented education [2]. Under the traditional education mode, students can not meet the diverse needs of society. The lack of practical ability and innovative ability of talent is the product of traditional teaching, it is necessary to change the traditional teaching mode.

3.3. Low Participation of Students in Classroom Activities

Using multimedia teaching to strengthen the technical training of teachers, in order to train outstanding talents to adapt to the development of contemporary society, this requires teachers to be good at using multimedia technology in the teaching process, pay attention to excavating students' opinions and ideas, make the classroom active, stimulate students to think for themselves, rather than simply teaching and inculcating. But in use should also pay attention to methods and requirements, and through continuous summary to better solve this problem.

3.4. Inadequate Preparation and Input for Lectures

In the process of teachers' teaching, due to the lack of preparation of curriculum materials and the lack of integrated research, modern educational technology can not play a full role. In the eyes of most teachers, multimedia teaching is only a simple transformation of teaching tools, and there is little research on teaching information design. Teachers do not have a clear idea of whether courseware making is used for students or teaching assistants.

3.5. Inadequate Evaluation of School Teaching

After the expansion of college enrollment, the environment of teachers' employment is relatively loose, and the corresponding reward and punishment mechanism of the school is not perfect, which makes the college teachers form teaching inertia easily. Without the establishment of appropriate evaluation indicators, it is easy to cause the loss of teaching talents, thus limiting the application of modern educational technology in teaching.

4. Methods of Teaching in Colleges and Universities under Modern Educational Theory

4.1. Changing Classroom Patterns

Changing the classroom as a new teaching mode has been widely used. This teaching mode makes full use of the resources of mixed learning and organically combines classroom learning with offline teaching, mastery and application of skills. In the course of teaching, through the students' independent preview of the course, the classroom becomes a place for teachers and students to interact with each other. In order to make this teaching method achieve good results, we must do the following: first, flexible use of network resources, through making friends, chatting and other software, so that teachers and students can discuss each other on the same topic, enhance the friendship between teachers and students; second, sharing teaching of network platform resources, teachers can share teaching content in the form of resource bank on the network platform, so that students can use their spare time to learn independently; Third, the construction of academic research platform, in the teaching platform, teachers through the introduction of various disciplines of cutting-edge issues, attract interested students to participate in the discussion, through experimental or scientific inquiry, mutual cooperation to solve problems, so as to improve students' ability to cooperate and interest in learning; fourth, the establishment of learning information feedback platform. It can also set up a platform for feedback related information, which can make a new connection between teachers and students, parents and society, so that students can give feedback on the problems encountered in learning at any time, so that teachers can give answers. At the same time, parents and teachers can timely understand the students' learning situation and so on.



Figure 2 Classroom interactions

4.2. Increased Investment in Teaching Equipment

The development of the information age requires universities to strengthen the hardware construction while improving the teaching software facilities. It is necessary to increase the investment in modern educational technology, at the same time, according to the actual situation of the school, to improve the allocation of hardware facilities of classroom resources, which is also the basis for promoting the realization of modern education in colleges and universities. In order to achieve the ideal teaching effect, it is necessary to equip different multimedia teaching equipment for different subjects and specialties. Only in this way can teachers make full use of the advantages of multimedia equipment in teaching to better, more fully and intuitively show the teaching effect to the students and improve the students' achievement and learning efficiency.

4.3. Strengthening the Professional Quality of College Teachers

There are few young teachers in our country, and the application of modern educational technology lacks the injection of fresh blood. The acceptance of the new round of education reform by the old generation of educators is not high. Although they are the core force of education, they lack the operational means to use modern educational technology. To this end, colleges and universities should organize and purposefully carry out multi-media teaching and training for teachers. Strengthen skill training, pay attention to the inculcation of modern teaching idea, make students understand modern education theory system more comprehensively. We should not only master the technical operation, but also improve the teaching level. The introduction of excellent teaching talents is also another important way to better apply the modern educational theory system to college teaching.



Figure 3 Teacher training sessions

5. Conclusion

In this information age of continuous development and progress, the educational system must require colleges and universities to carry out corresponding reforms, guiding the improvement of teaching methods in colleges and universities with modern educational theory is one of the main ways to realize the modernization of education, and plays an important role in promoting quality

education in colleges and universities and cultivating innovative talents. In essence, using modern educational technology is to realize the modernization of education better and faster, to promote the process of modernization of education in colleges and universities, and to provide direction for the future education reform. The application of information technology in educational theory makes the advantages of modern educational technology give full play. Changing the traditional teaching mode will eventually promote the modernization of college education.

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