

# Teaching practice research of ideological and political classes based on the means of multimedia

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## Abstract

With the rapid development of multimedia technology, multimedia technology has established a deep connection with various social fields. Under this background, this article will focus on the multiple problems of traditional teaching method of ideological and political classes existing in today's network environment. It carried on analysis and summary specifically for these problems, summarized the innovation and reform path of ideological and political teaching mode under the network environment, and performed theoretical analysis and practical conditions summary of the innovation and reform method. Meanwhile, this article illustrated how to embody the innovation points of the improved ideological and political teaching mode being superior to the traditional one based on the combination of the actual teaching practice.

*Keywords:* the means of multimedia, ideological and political classes teaching, teaching practice, investigation

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## 1 Introduction

### 1.1 GENERAL REQUIREMENTS ON STUDENTS' IDEOLOGICAL INSTRUCTION ABILITY IN THE NEW PERIOD

The Ideological and Political Education Syllabus for Political Education Professional of Colleges and Universities issued at the early stage of this century clearly points out that, cultivating the ideological instruction ability of the students of higher education schools is mainly concentrated on the following respects: "During the process of ideological and political teaching [1, 2] cultivate the students' ideological thinking ability and ideological innovation ability throughout all stages of the comprehensive study. Help the students to be active in thinking, good at thinking, and have the courage to express their opinions in public during the process of learning ideological and political education professional base knowledge [3-6]. During the process, the teacher has to encourage the students who have the courage to express their opinions to as to improve the students' ability of independent thinking."

### 1.2 REQUIREMENTS ON STUDENTS' IDEOLOGICAL INNOVATION ABILITY IN THE NEW PERIOD

The Ideological and Political Education Syllabus for Political Education Professional of Colleges and Universities also put forward the specific requirements on students' ideological and political learning, innovation ability and thinking ability: "Ideological and political learning ability mainly refers to the ability to obtain basic knowledge of ideological and political classes, to use the learned ideological and political knowledge flexibly, to analyze a specific question, to propose their own

independent ideas and innovative solutions." Among these abilities, to cultivate the students' ability on ideological and political innovation and learning has always been the weak link for the ideological and political teaching in China. Especial in the process of analysis and thinking independently specific for a question, the students can hardly make knowledgeable answer. However, the main purpose of learning ideological and political is to complete the cooperation and communication skillfully in different processes of intercultural communication and to cultivate the students' communicative competence, the ability to adapt the ideological and political environment, the ability of being flexible gradually, which are closely related to the students' innovative thinking. Under such a background, an effective ideological and political teaching mode has to be taken to improve the students' ability of independent thinking and innovative ability.

## 2 Basic conception of ideological and political teaching mode based on multimedia teaching

### 2.1 DEVELOPMENT HISTORY OF MULTIMEDIA TECHNOLOGY ASSISTING ON IDEOLOGICAL AND POLITICAL TEACHING

In the 1990s, the United States began to use multimedia technology and computer technology to assist in teaching process. Until now, with more than 20 years' development, multimedia technology and computer aided teaching has become one of the important teaching means. At the same time, with the rapid development of computer science technology and multimedia technology [7-10], more and more higher education schools began to realize the importance of using computer technology and multimedia technology to assist teaching (at present, the teaching mode most widely used is of multimedia assisted education

teaching). Through the application of computer technology and multimedia technology assisted teaching, it can realize the organic fusion of modern information science and technology into ideological and political teaching.

## 2.2 BASIC CONCEPTION OF IDEOLOGICAL AND POLITICAL TEACHING MODE BASED ON MULTIMEDIA TEACHING

Taking multimedia assisted ideological and political teaching as an example, multimedia assisted ideological and political teaching has fundamentally improved the basic form of the traditional ideological and political teaching from the forms and means (multimedia teaching is by means of computer science and technology to rich data repository of screening technology and multimedia technology. It can transform the original boring textbook knowledge into a rich and colorful images or Flash videos, which can effectively improve the interestingness of ideological and political teaching.), and give new meanings to the ideological and political teaching from teaching concept, teaching process, teaching methods, the relationship between teachers and students and so on.

Through the utilization of multimedia technology, the teaching atmosphere of ideological and political will be more close to the student group. An interactive learning environment will be created relying on the intuitive forms of expression of multimedia technology between the students and the teachers. In the process of utilizing flash short films among the multimedia technologies, it can stimulate the student's ideological instruction knowledge from the perspective of sound, visual, and many other aspects and can rich the ideological knowledge and contents by using the large amount of files in the multimedia database (for example, add content hyperlinks to the PPT ideological and political courseware to directly check the multimedia database of relevant web pages etc.).

With the maturing of multimedia technology and computer technology, the organic fusion of multimedia technology, computer technology and ideological and political teaching mode has become one of the main trend of contemporary university education mode reform. By using computer technology and multimedia technology, the ideological and political teaching mode on the background of network information education teaching mode will fully inherit the characteristics of rapid multimedia information transmission speed and multiple content choices, which may become a powerful tool to help students learn the ideological and political teaching lifelong to cultivate students' ability of autonomous learning and independent learning and to provide helps on promoting students' all-round development.

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### 3.1 THEORETICAL FOUNDATION OF TEACHING PRACTICE OF IDEOLOGICAL AND POLITICAL CLASSES BASED ON THE MEANS OF MULTIMEDIA

Based on the constructivism learning theory, it is not hard to

see that in the process of ideological and political learning, students should be the main body of accepting ideological and political knowledge and thinking about the knowledge of ideological. Only the ideological and political knowledge hierarchy based on the students' thinking is the one that the students really mastered. The effectiveness checking of the constructed knowledge hierarchy should be performed by K test:

$$K = \sum_{i=1}^n (x^3 \cdot y^{\frac{4}{6}}) \quad (1)$$

If only the teachers blindly instill the abstract theoretical knowledge to students, but not through active knowledge acquisition method by taking effective learning methods of the students (such as group discussion, communication & discussion, mutual help), the robustness of the knowledge that the students gained will be weaker. The robustness degree shall be tested by X test:

$$X = \frac{\sum_{i=1}^n t^3}{\sum_{j=1}^m m^{\frac{4}{7}}} \quad (2)$$

And the effectiveness checking of the selected program should be performed by T test:

$$T = \sqrt[3]{t^3} \cdot \sum z \quad (3)$$

Specific for such situation, it is not hard to see that the key element for student to carry on ideological and political learning is to fully enjoy the education learning and communication during the learning process so as to build up their own ideological and political learning system.

In order to effectively improve students' ideological and political learning effects, the teachers should be fully aware of their own teaching task is to guide students to carry on the ideological and political learning. For the instruction effectiveness, take normal distribution test to check the teaching efficiency:

$$X^2 = \frac{\sum_{i=1, j=1}^{n, m} t \cdot z^2}{\sqrt{\frac{n}{m}}} \quad (4)$$

During the ideological and political teaching process, the teachers shall give students sufficient guidance by using their ideological and political teaching experience and the understanding of ideological and political teaching psychology of the students and put emphasis on the initiative of the students on ideological and political teaching and the requirement on ideological and political learning situationality. The learning initiative of the students can be tested by M test:

$$M = \sum T \cdot x \cdot z \cdot f(x) \quad (5)$$

During the teaching process, fully stress that students should form their own ideological and political learning concept and pay attention to the cultivating of students' ideological and political learning concept instead of adopting traditional ideological and political teaching mode as mechanical memory and reciting. The reasonableness test of teaching contents can be conducted by Y test:

$$Y = t.z.x^2 \tag{6}$$

Under such a theory background, promote the efficiency of ideological and political learning under the network environment. The teachers of ideological and political classes shall fully arouse the enthusiasm of students on ideological and political learning by using multimedia technology to help the students form proactive ideological and political learning targets and continuously explore new means of education teaching methods.

### 3.2 SPECIFIC CONTENTS OF IDEOLOGICAL AND POLITICAL TEACHING PRACTICE BASED ON THE MEANS OF MULTIMEDIA

#### 3.2.1 New type of multimedia teaching mode

Carried out ideological and political teaching mode reform and innovation activities under the network environment, the most intuitive embodiment of which is the innovative ideological and political teaching mode. Under the background of network, ideological and political teaching mode has fully combined the characteristics of strong interactivity of multimedia, effectively implemented the activities between teachers and students in the class, effectively promoted the enthusiasm and imitativeness of the students, and encouraged students themselves to solve practical problems during the teaching process. From the proportion of monthly evaluating performance with a score over 80 for the ideological and political class in a certain college (100 students in the class), the score of the class adopting multimedia assisted teaching is higher than that adopting traditional teaching method.

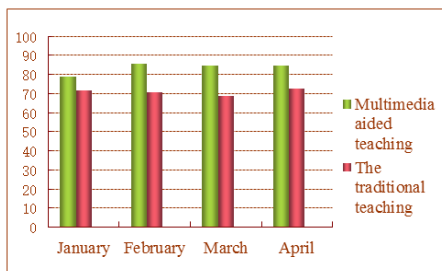


FIGURE 1 Ideological and political marks comparison table

#### 3.2.2 Role conversion between the teacher and students

The ideological and political teaching mode reform and innovation activities under the network environment also reflects on the role conversion between teachers and students in class and the changes on learning initiativeness of ideological and political learning.

First of all, by using multimedia technology and computer technology during the ideological and political

teaching process, we can improve the "teacher-centered" teaching method of the traditional ideological and political teaching mode significantly and set the core status of students during the ideological and political learning process clearly. Specifically speaking, the ideological and political teaching mode under the background of network requires the teacher of ideological and political class play a main role as "guiding" instead of "teaching", and requires that the teacher should be willing to be the guider of students in ideological and political learning, and serve for the ideological and political learning process during the teaching process. In the process of students ideological and political learning, the teacher should fully summarize the basic characteristics of each student, develop a teaching model according with the actual characteristics of students from the perspective of students, help students to acquire new knowledge actively, to form new ideological study skills, and help students to form conscious learning attitude under the guidance of the teacher. Figure 2 shows the satisfaction survey of the teachers on the four ideological and political classes of a certain college in January. We can see that, the students' satisfaction degree on ideological and political classes adopting multimedia teaching is much higher than that of traditional classes.

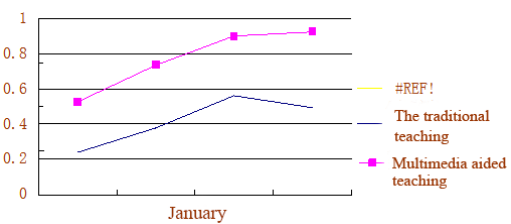


FIGURE 2 Satisfaction survey of ideological and political classes

Secondly, ideological and political teachers can use multimedia technology and computer technology to improve the students' ability of practical problem solving. As ideological and political teacher group, the purpose of cultivating students is not only confined to help the student to obtain a good result, but to help them master enough ideological and political basic ability and enable them use these abilities flexibly in the future study and work, which is one of the ideological and political teachers' teaching tasks. Specific to this situation, during the actual teaching process, by utilizing multimedia technology and computer technology, teachers of ideological and political class can effectively develop students' innovative thinking, and help students to solve problems independently. Specifically speaking, in the process of ideological and political teaching process, teachers of ideological and political teaching class can use multimedia means to set up a corresponding teaching task for students and to help students exercise their own creative thinking in the process of solving tasks. Meanwhile, relying on the rich resources of multimedia technology, it can fully stimulate students' creative and language fluency, and can further enhance students' creative thinking ability effectively.

Finally, the teachers of ideological and political class can use multimedia technology and computer technology to enhance students' learning enthusiasm. Specifically speaking, under the constraints of the traditional education

teaching mode, the enthusiasm and creativity of a lot of students in ideological and political learning is limited to a certain extent, the students' personality is hardly to play in the process of learning, and it is difficult for students to satisfy the desire of innovative thoughts. Through the utilization of multimedia technology, we can effectively solve the constraints of the traditional teaching mode for students. Students can fully learn independently in accordance with the requirements of the multimedia courseware and effectively solve the "allowing no flexibility" problem in traditional teaching mode.

#### 4 Conclusion

Through the practical research of ideological and political teaching based on the means of multimedia, we can perform

a great reform under the guidance of modern education concept from teaching thoughts, teaching methods, teaching means to the traditional ideological and political teaching mode. By using multimedia technology, this kind of new ideological and political teaching mode can convert education status between teachers and students, reduce the distance between teachers and students, make students become real main body of ideological and political class, can effectively enhance the students' learning enthusiasm and imitativeness in ideological and political class, can effectively enhance the students' interest in learning ideological and political class, can effectively enhance the efficiency of students' in ideological and political learning, and can improve students' comprehensive quality and innovation ability significantly.

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