

Ideological and Political Teaching Reform of Computer Network Course under the Concept of Thinking Innovation

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Abstract: The advancement of the times and technology will undoubtedly promote the reform of the educational model of colleges and universities. The development of ideological and political education in computer network courses is also an important part of educational reform. Combining their respective teaching characteristics, it is conducive to enhancing students' interest in ideological and political learning. Improve the quality and efficiency of ideological and political teaching. Based on the theory of thinking innovation, this paper explores the characteristics of current computer network courses and ideological and political teaching, and takes the fusion teaching of the two as an opportunity to explore the challenges faced by ideological and political teaching in computer network courses, and proposes a computer network course with targeted thinking and innovation ideas. The ideological and political teaching reform strategy effectively improves the ideological and political teaching efficiency of computer network courses and fosters high-quality comprehensive talents for domestic modernization.

1. Introduction

Innovative thinking refers to the thinking process of solving problems in a novel and original way. Through this kind of thinking, we can break through the boundaries of conventional thinking, think about problems in a supernormal or even unconventional way, and propose solutions that are different. Novel, unique, and socially meaningful thinking. The essence of innovative thinking is to solve existing problems with new angles and new ways of thinking, and its application practice has a broad basis. A simple understanding of thinking innovation is mainly a process of understanding, and can also be understood as a kind of achievement. Therefore, in order to truly realize thinking innovation, it is necessary to require the innovation subject to have corresponding innovation literacy, as shown in Figure 1.

In the concept of thinking innovation, it is mainly divided into three dimensions, including practical operation, thinking cultivation and personality psychology, and constructing corresponding thinking innovation models. This corresponds to the three stages of people's thinking innovation development: First, the primary stage - belongs to the germination period of thinking innovation development, in the process of thinking innovation cultivation should pay attention to keeping the students' thinking open and fluent, and promote students' innovative thinking Fully developed, thus laying a good foundation for the development of innovative thinking; Second, the intermediate stage - belongs to the development period of the development of thinking innovation, the student thinking of this stage has gradually differentiated, and presents the individual's inclination and difference. Therefore, we should pay attention to cultivating the uniqueness and individuality of thinking, fully respecting the free development of students' Abstract thinking logic; the third is the advanced stage--the mature period of thinking innovation, which gradually forms the corresponding creative thinking and exquisiteness, students The awareness of the cultural environment has been continuously improved, and it has been fully prepared for students' thinking and innovation activities and practices. On this basis, computer network courses and ideological and political teaching should also fully recognize the importance of the concept of thinking innovation, strengthen the reform of teaching mode in colleges and universities, fully respect the level and brand of students' learning, pay attention to the reform of students' practical teaching, and

effectively improve students. Learning the brand and promoting the development of students' abilities and qualities. Therefore, this paper should fully recognize the importance of the concept of thinking and innovation in the ideological and political teaching reform of computer network courses. Combining the characteristics of computer network courses and ideological and political teaching, this paper aims at the challenges faced by ideological and political teaching in current computer network courses. The ideological and political teaching reform strategy of computer network courses under the concept of thinking and innovation.

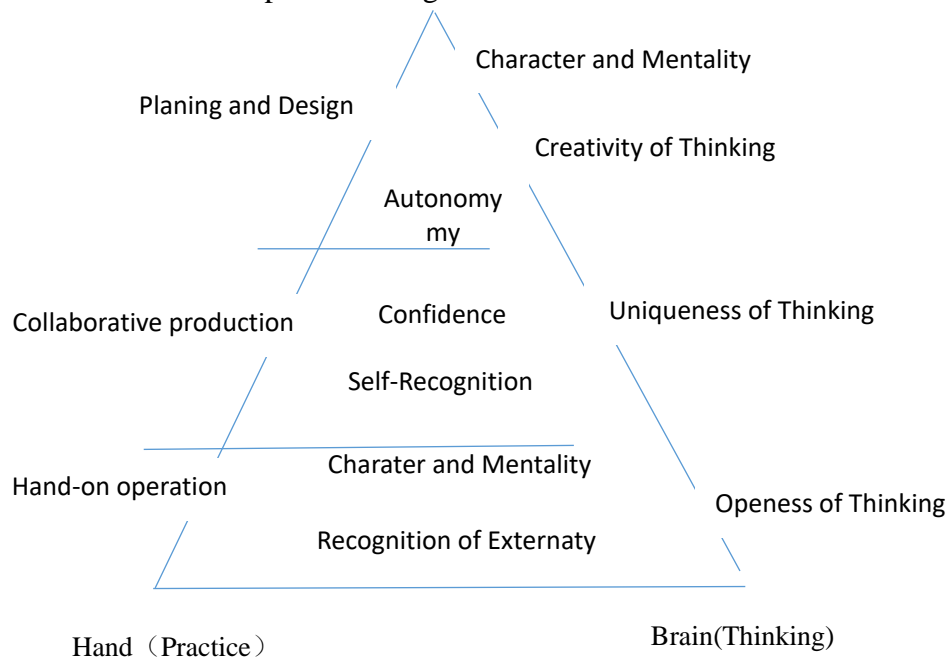


Figure 1 Dimension of Thinking Innovation

2. Computer Network Course with Ideological and Political Teaching

As a compulsory course for computer science, computer network course aims to enable students to fully grasp the basic theoretical knowledge of computer network courses, thus laying a foundation for the practical operation of computer network technology, so as to cultivate innovative talents for social and economic development. Computer network course teaching has obvious practical, application and complexity characteristics. Based on the complexity of computer, it is required that students should enrich students' in-depth knowledge structure and theoretical basis in the teaching process. Teaching methods, combined with the development of the times and technologies, explore scientific and reasonable computer network teaching mode. The main purpose of ideological and political teaching is to spread important political ideas such as Marxism, Mao Zedong Thought, Deng Xiaoping Theory and the "Three Represents", so as to guide and train students to form good political thoughts, foster sensitive political consciousness, and grow students' abilities. Lay the foundation. Under normal circumstances, the current commonly used ideological and political teaching methods mainly include criticism education, encouragement education, inculcation education and self-education. These teaching methods have their own advantages. As shown in Table 1, they are generally taught in combination with various teaching methods. Cultivate students' ideological and political autonomy to achieve the goals of the ideological and political teaching.

In the current ideological and political teaching process of computer network courses, indoctrinating teaching methods are usually used to guide students to enrich the ideological and political teaching theories and instructions. However, this teaching method is not effective, and students have very low acceptance of ideological and political knowledge. The ideological and political teaching of online courses has many challenges.

Table 1 Common Methods of Ideological and Political Teaching Recently

Methods	Advantages	Disadvantages
Critical Education	Direct Implementation Effect	Suppress Students' Autonomy
Inspiration Education	Easily Accepted by Students	Leading Students Impetuous
Infusion Education	Meet the Direction of Thingking	Hard to Accepted by Students
Self Education	Cultivating Students' Autonomy	Lack of Effective Guidance

3. Challenges Facing Computer Network Course

3.1 Computer Network Course is not Suitable to the Ideological and Political Teaching Program

In the current ideological and political teaching process of computer network courses, although the ideological and political teaching knowledge is integrated, the course content is relatively simple, and the teaching methods are not suitable for the students' learning needs. In the concentrated class, the ideological and political teaching activities under the class are almost There is no, the effect of ideological and political teaching is difficult to sustain. However, in the course of ideological and political teaching in computer network courses, students often have no interest in active learning for the indoctrinating teaching, which leads to the frequent emergence of "low-headed people" in the classroom, and does not really grasp the ideological and political learning knowledge, which is difficult to achieve. The corresponding computer network course ideological and political teaching objectives. In addition, under the background of cultural pluralism, the impact of domestic and foreign culture, students are often difficult to make scientific decisions, affect students' information on computer network courses, and weaken the ideological and political teaching effect of computer network courses.

3.2 Quality of Teaching Resources is Complicated

Under the new teaching situation, the teaching environment faced by colleges and universities is becoming more and more complex. Traditional media, online media, mobile media and other media are emerging one after another. The amount of information people receive is tens of thousands, and the quality of their information content. It is also very different. However, in the ideological and political teaching process of computer network courses, the teaching goal is the combination of theory and practice, requiring students to scientifically and effectively extract useful information in the vast and complicated information sea. Therefore, a key issue in the current ideological and political teaching of computer network courses is to cultivate students to form correct ideological consciousness through effective ideological and political teaching, in order to cope with the complicated information knowledge of different quality and avoid the blind pursuit of scientific and technological results. Conducive to the stable development of the overall society and the advancement of knowledge.

3.3 Coverage of the Informatization towards Classroom Teaching is not Enough

In the ideological and political teaching process of computer network courses in colleges and universities, due to the limitations of funds, resources, technology and other factors, the coverage of classroom teaching information is not high, which makes the ideological and political teaching effect is not ideal. With the continuous rise and promotion of Internet technology, the application of network teaching has become more and more popular. Major universities are also actively engaged in the construction of information-based teaching. However, the degree of informatization construction of various universities is different, and there are still a large number of colleges and universities. The degree of informatization of curriculum teaching is not high, which is not conducive to the development of ideological and political teaching activities in computer network courses in colleges and universities. In addition, in the course of ideological and political education in computer network courses, due to the lag of science and technology in some colleges and universities, the teaching activities of schools and the demand for social talents are out of line. The

construction of the ideological and political teaching information platform of computer network courses is imminent.

4. Reform Strategy of Computer Network Course towards ideological and political teaching under the concept of Thinking Innovation

4.1 Construct “Five-in-one Plan” for Computer Network Course towards ideological and political teaching

In view of the current computer network course ideological and political teaching process, the teaching program is not suitable, the corresponding reform plan should be proposed in a targeted manner, and the “five-in-one” computer network course ideological and political teaching program should be constructed, which is in line with the current teaching reform needs. The “five-in-one” computer network course ideological and political teaching program model diagram is shown in Figure 3. The “teacher” is the key to reform, demand-oriented, classroom-based, student-centered, and role-driven.

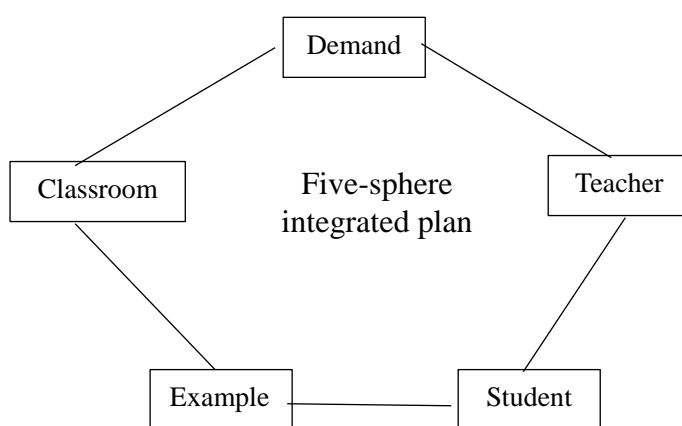


Figure 2 the program of ideological and political teaching towards computer network course under the Five-sphere integrated plan

First of all, with “teacher” as the key to reform, the ideological and political teaching of computer network courses should pay attention to the importance of teachers, continuously improve their ideological and political teaching ability, make full use of science and technology, and then enhance the awareness of actively strengthening the ideological and political content in teaching. Improve the efficiency of the course teaching. Secondly, demand-oriented, the ideological and political teaching of computer network courses should fully clarify the needs of social talents, and take this as a guide to strengthen ideological and political science and technology learning and cultivate the talents needed by the country. Third, based on the classroom, the ideological and political teaching of computer network courses should create a good learning atmosphere, and use the corresponding teaching resources to innovate the integration of ideological and political content into computer network courses to fully stimulate students' interest in learning and enhance the attraction of curriculum. To cultivate the initiative of students to learn. Fourth, with students as the center, the ideological and political teaching of computer network courses should be centered on students, combined with the characteristics of students, to cultivate students to form a high sense of social responsibility, and to cultivate high-quality talents for socialist modernization. Finally, with the example as the driving force, the ideological and political teaching of computer network courses should actively pay attention to positive content, establish a typical example, and use this as a driving force to encourage students to study new knowledge, new technologies, new ideas and consciously improve their own abilities.

4.2 Completing Teaching Resources of Computer Network Course

The information on the Internet is massive and complicated. Therefore, in the process of ideological and political education in computer network courses, this point should be fully recognized, to falsify the truth, to scientifically screen useful information, and to improve the ideological and political teaching resources of computer network courses. First of all, computer network courses ideological and political teaching, each section of the classroom content, and through the professional teacher's case teaching experience summary, build a computer network course ideological and political teaching resources sharing platform, leading students to establish a good outlook on life, values, world view. Secondly, strengthen the connotation construction of ideological and political teaching in computer network courses, actively organize curriculum development and construction, break the routine of traditional teaching, improve the quality of its courses, and enhance the attraction of curriculum teaching. Finally, the ideological and political teaching of computer network courses should pay attention to the timeliness of information update, pay full attention to the current social hotspots and major events at home and abroad, so that students can fully understand the national conditions and enrich the teaching content, thus stimulating students' interest in learning.

4.3 Refine the Ideological and Political Teaching with the “Internet +” Thinking Innovation Model

In the process of ideological and political teaching in computer network courses, we should combine the actual situation of colleges and universities to refine the ideological and political teaching with the “Internet +” thinking innovation model. On the one hand, after completing the construction of a series of teaching platforms, major universities should make full use of the “Internet +” thinking, and explore the concept of refinement, so that the ideological and political teaching of computer network courses can be deeply integrated. On the other hand, in the ideological and political teaching process of computer network courses, we should combine the moral education innovation method, strengthen the campus culture construction, and actively carry out party propaganda, so as to provide students with healthy and positive teaching resources, so that students can ideological and ideological in subtle ways. Enhance its political awareness, legal awareness, sense of responsibility and self-discipline, so as to serve the teaching of computer network courses and effectively improve the efficiency of curriculum teaching.

5. Conclusion

Facing the opportunity of transformation and upgrading of the whole society, the formation of domestic education has also undergone profound changes. This paper combines the exploration of computer network courses and ideological and political teaching to integrate teaching possibilities to propose a teaching model that adapts to the new educational environment. At the same time, in view of the current challenges in the ideological and political teaching process of computer network courses, such as the lack of interaction between the subject and the object of teaching, the complexity of teaching resources, and the low coverage of classroom teaching information. Therefore, it is proposed to construct a “five-in-one” computer network course ideological and political teaching plan, improve the ideological and political teaching resources of computer network courses, and refine the ideological and political teaching with the “Internet +” thinking innovation mode, and establish an efficient computer network course ideological and political The teaching system, cultivating high-quality comprehensive talents, consciously shoulders and shoulders the heavy responsibility of the Chinese nation's rejuvenation.

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