

Research on Optimization of Innovative Development Path of Ideological and Political Education in Colleges and Universities Based on Complex Adaptive System

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ABSTRACT. What the ideological and political education of college students expects is the result of the internal coordination and unity of the interaction among individuals, environment and education. Ideological and political education for college students is a complete and complicated system. To study how to carry out effective ideological and political education for college students in China, we should take Marxism as guidance and apply CAS (Complex Adaptive System) theory to analyze. The core idea, core concept and target dimension of complex adaptive system theory can be applied to the teaching design of ideological and political courses in colleges and universities, thus improving the effectiveness of teaching design. In the media age, people have more and more means to obtain information, and the communication between people is more and more convenient. However, the complex and diverse Internet environment also brings challenges and pressures to the ideological and political education of college students. Based on CAS theory, this paper studies the ideological and political education of college students, starting from discussing the collaborative education of Ideological and political education of college students, and summarizes the current situation and development of Ideological and political education of college students in China.

KEYWORDS: Ideological and political education, Cas theory, Development situation

1. Introduction

Since the 18th National Congress of the CPC, the CPC Central Committee with Comrade Xi Jinping at the core has made new arrangements and requirements for strengthening ideological and political work in colleges and universities in combination with the new situation, changes and new trends at home and abroad, which bring many opportunities to the continuous improvement of ideological and political education in colleges and universities [1]. The teaching of ideological and political courses in colleges and universities is a complex dynamic process, and the complexity of its teaching design conforms to the theoretical characteristics of complex adaptive systems. New media, represented by network, mobile, digital media, etc., have developed rapidly under the background of continuous breakthroughs in digital technology and rapid popularization of Internet technology, and have gradually become the most commonly used mode of information dissemination [2]. Ideological and political education for college students is a complete and complicated system. To study how to carry out effective ideological and political education for college students in our country, we should take Marxism as the guidance and apply CAS theory to analyze [3]. The core idea, core concept and target dimension of complex adaptive system theory can be applied to the teaching design of ideological and political courses in colleges and universities, thus improving the effectiveness of teaching design. The outlook on life, values and world adolescent college students are still immature. In the process of growing up, their ideas and behaviors are more susceptible to external interference [4].

College students, just like birds with growing wings, have their personalities, thoughts, ideals and goals. They are a group full of vitality and initiative, rather than a container or machine for passively receiving knowledge and information [5]. The theory of complex adaptive system is of general methodological significance to various disciplines, including educational science. The teaching process of ideological and political courses in colleges and universities is a complex and dynamic process, and the teaching design must focus on the uncertain and nonlinear relationship among various elements in the teaching. How to improve the effectiveness of ideological and political theory teaching and help them to establish a correct world outlook, outlook on life and values is a very important and urgent issue [6]. The important status and historical mission of the college student group determines that they must be the main object of ideological and political education. Under the conditions of economic globalization and information network technology, on the one hand, the information age has led to the rapid transfer of information, which has improved the efficiency of information sharing and knowledge sharing [7]. Based on the CAS theory, the research on ideological and political education of college students begins with a discussion on the collaborative education of ideological and

political education of college students, and summarizes the current situation and development of ideological and political education of college students in China.

2. Analysis on Complex Adaptation System of Ideological and Political Education for College Students

Ideological and political education for college students involves individuals, families, schools, society and the country, which can be summarized as a kind of CAS, that is, a complex adaptive system that affects the ideological and political realm of college students. Ideological and political education for college students is a complex and adaptive system. For example, the diversity of educational objects, the objectives, methods and contents of ideological and political education, and the diversity of environment will make the formation of cooperative education more complicated [8]. The elements in the teaching of ideological and political courses in colleges and universities, such as students, teachers, teaching objectives, teaching contents, teaching methods and teaching media, are constantly influencing each other as an integral and equal component, resulting in the teaching design being changed in the teaching process. The interaction between students and teachers is not a simple, passive and one-way causal relationship, but an active adaptation, coordination and mutual causal relationship. Therefore, teaching design must consider the interaction between students and teachers and students, highlight the interactive teaching links, and promote the common development of teachers and students.

The complete ideological and political education should not only take the interaction between the shaping of complete personality and social ethics as the main direction, but also have the educational connotation that embodies the national characteristics and the spirit of the times. Complex adaptive system is a social group composed of college students who have the same interests and needs in the network space formed on the basis of Internet technology and who study, socialize and exchange information. The profound changes in the international and domestic situation have made the ideological and political education of college students face both favorable conditions and severe challenges. The individual differences of ideological and political education objects are divided into congenital and acquired, and have the characteristics of external dominance and internal recessive [9]. The hierarchy of Ideological and political education requires that ideological and political education should take Marxism education as the guiding principle and realize communism as the ultimate goal. For college students, not everyone has the ability to deal with the complex information environment and the ability to think and judge independently. They are often dominated by various kinds of information in the community, which leads to their participation in the real world. For college students whose values and right and wrong have not been completely established, it is difficult to achieve rational feedback information, and they are easy to fall into the emotional impulse. The variety of Ideological and political education methods requires the ideological and political courses as the carrier for indoctrination and guidance education. Self cultivation refers to the recognition of College Students' ability of self-development. Ideological and political education has a wide range of contents. Moral and legal education cultivates the legal basis of college students, enables them to form legal awareness and learn to use legal weapons to safeguard their legitimate rights and interests.

3. Specific Strategies of Cooperative Education in Ideological and Political Education for College Students

3.1 Coordination of Management Elements

The specific cooperative enlightenment strategy of ideological and political education for college students mainly starts from management elements and space-time dimensions, gives full play to the high-quality functions of subsystems, and expects to obtain the performance of the ideological and political education system. Facing the pressure, college students pay more attention to self-development and self-value enhancement, ignoring other self-needs and pursuing one-sided development. Marxism is the foundation and premise of ideological and political education for college students in our country. It determines the direction of ideological and political education for college students and is the highest ideological and political education program. The characteristics of network interaction, such as time-space transcendence, openness and virtuality, do not exist in the traditional ideological and political education environment, which all put forward higher requirements for contemporary ideological and political education. A scientific management system can create a positive management environment for ideological and political education, infiltrate ideological and political education into the education of various disciplines, and lead the ideological and political education work to be pragmatic and profound. College students are involved in many aspects of society. From the perspective of human beings, we should establish the core of ideological and political education based on human texts and give full play to the subjective initiative of college students. There must be strict requirements for the selection of university ideological and political teachers. Ideological and political teachers must have a firm political orientation and a strong sense of social responsibility in order to cultivate college students' socialist consciousness.

3.2 Collaboration in Spatial Dimension

Any activity in any discipline must take ideological and political education as one of its objectives. The diversity of social talent demand and the diversity of the subjects to be taught objectively require the coordination of the multiple objectives of ideological and political education. College students will encounter many difficulties and contradictions in the process of growing up, resulting in troubles and conflicts. Ideological and political education methods, which can form such and such ideological and psychological problems, are time-sensitive and are influenced by educational ideas both obviously and invisibly. Educational methods serve the educational goals. According to the law of educational levels, the guiding method and self-help education method are generally adopted, and the experience method is finally adopted. The organizational form of CAS is very similar to that of swarm. The operation of ideological and political communities of college students with swarm thinking can not only establish efficient group norms, but also virtually regulate the language and behavior of CAS. The process of ideological and political education has subtle characteristics. Rendering and enlightenment are parallel. Hard environment is the material foundation. Active combination with traditional and modern educational technology can adjust the innovation and utilization rate to the best state.

4. Conclusion

In order to study the ideological and political education of college students, we should take the materialistic point of view as the starting point, face the realistic problems, and study the cooperative enlightenment mechanism that affects the ideological and political education of college students from the theory of complex adaptive system. Starting from the evolution of adaptive subject, the theory of complex adaptive system reveals the root of system complexity and the general law of development and evolution of complex adaptive system, which provides methodological guidance for improving the effectiveness of teaching design. With the orderly progress of educational reform in colleges and universities, the effectiveness of ideological and political education in colleges and universities has been continuously improved under the complex adaptive system environment. We must pay attention to the continuous improvement of the media quality of teachers and students, and effectively construct the ideological and political education platform in colleges and universities, so as to give full play to the positive role. It is obvious that the strength of schools and teachers alone can not meet the needs of management. All kinds of student associations and student backbones have enough abilities and characteristics to bear their due responsibilities. When formulating cooperative education strategy, each sub-system should be orderly and in group, adjust in the dynamic process, develop in linkage, and improve the timeliness of Ideological and political education of university students from the object of education.

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