

Exploration of the Concept and Practice of Ideological and Political Education in Curriculum under the Background of "Three Comprehensive Education" - Taking the Course of "Network Security Technology" as an Example

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Abstract: In the current era of networking and informatization, cyberspace security will involve national politics, military affairs, and the daily life security of the people. Therefore, in the process of teaching network security technology courses, it is necessary to strengthen students' ideological and political education, excavate the ideological and political elements contained in the courses, and implement the concept of "three comprehensive education", in order to comprehensively improve the level and quality of ideological and political education in network security technology courses. This article explores the concept and practical methods of ideological and political education in curriculum under the background of "three comprehensive education".

1. Introduction

In the traditional teaching process, professional courses are separated from ideological and political education in courses, and the teaching characteristics and advantages of professional courses are not effectively integrated into ideological and political education in courses, resulting in students' inability to meet practical needs in learning ideological and political courses. Only by continuously integrating ideological and political education into the teaching process of network security technology courses can students have corresponding national consciousness and stability consciousness, take national prosperity and stability as their own responsibilities, and constrain and restrict their own moral behavior norms, so as not to go against society.

2. The importance of conducting ideological and political education in network security technology courses

At the 2016 National Conference on Ideological and Political Work in Universities, it was clearly pointed out that ideological and political education should be implemented throughout the entire teaching process of universities, and it is necessary to integrate ideological and political education

into all curriculum teaching processes in universities. In the current era of networking and informatization, cyberspace security will involve national politics, military affairs, and the daily life security of the people. In the process of learning network security technology courses, it is easy to involve more advanced technologies.[1] If students do not have a high level of cognitive thinking, they are prone to sliding towards the edge of crime. Therefore, in the process of teaching network security technology courses, it is necessary to strengthen students' ideological and political education, excavate the ideological and political elements contained in the courses, and implement the concept of "three comprehensive education", in order to comprehensively improve the level and quality of ideological and political education in network security technology courses. By carrying out ideological and political education in the course of network security technology, students can be stimulated to learn actively and proactively. At the same time, it can help students understand the importance of ideological and political education. After mastering network security technology, students can add bricks and tiles to the modernization process, continuously exert their economic and social value, and will not engage in illegal activities. If students do not have the correct concept of the rule of law and moral awareness in their hearts, they are likely to embark on the path of illegal and criminal activities. In the current context of rampant hackers, the black industry chain of the Internet is constantly developing, which will have a serious impact on our daily lives. Therefore, teachers should gradually guide students to establish correct legal concepts and ideological concepts in the process of teaching network security technology in the classroom, so that students can fight against such illegal behaviors and not be assimilated.

3. The ideological and political elements included in the course of network security technology

3.1. Characteristics of network security technology courses

The course of network security technology mainly teaches students the basic theoretical knowledge of network security, as well as how to effectively apply network security technology in subsequent life and work. It enables students to understand the latest domestic and international network security situation and relevant laws and regulations, and to master the basic theoretical knowledge of network security.[2] At the same time, they can also understand various network security attacks and the principles and methods of attack prevention. Meanwhile, through the teaching of network security technology courses, students can also understand the importance of network security and system security, and establish corresponding security mechanisms and protection measures against various factors that threaten network security and system security. In addition, it is also necessary to require students to be able to scientifically and reasonably apply various network security protection tools to effectively solve network attack and security problems. Finally, students are required to proficiently master network security related skills and skills, and be able to effectively integrate theoretical knowledge with practice, possessing high practical skills. Overall, the main goal of offering network security technology courses is to cultivate a group of comprehensive, applied, and network security technology talents with strong ideological and political skills, solid professional literacy, and outstanding practical abilities, with a sense of responsibility and mission.

3.2. The ideological and political elements included in the course of network security technology

3.2.1. National sentiment and patriotic enthusiasm

In the current era of information technology, network security will directly affect the national economy and sovereignty. Integrating network security concepts into network security technology courses can cultivate students' patriotism and patriotism. Specifically, teachers can take network

attack incidents as an example and combine real network security issues around them as the main entry point to help students understand the importance of network security, and recognize the various forms of current network security development, so as to cultivate students' awareness of network security, and stimulate their patriotism and patriotism.

3.2.2. Craftsmanship spirit and national pride

To build a strong network country, it is necessary for network security technicians to possess the spirit of craftsmanship and a strong sense of national pride, which can make outstanding contributions to China's economic development and network construction. Specifically, teachers should cite references in the teaching process of network security technology courses, list the advanced deeds of outstanding personnel such as Shen Changxiang and Sun Jiuling to students, explain the spirit of craftsmanship to students, and continuously cultivate students' sense of national pride, so that students can fulfill their responsibilities in subsequent job positions.

3.2.3. Social responsibility and legal education

China has established many laws and regulations for network security, such as the Cybersecurity Law, Cryptography Law, Data Security Law, etc. The above legal provisions clearly stipulate social responsibility, social rights, and social obligations. In the teaching process of network security technology courses, teachers should introduce relevant content of rule of law education, guide students to establish a correct concept of rule of law, increase the popularization of network security, and enable students to constrain and restrict their own behavior norms through scientific and reasonable use of rule of law thinking, thereby enhancing students' awareness of network security and responsibility.

3.2.4. Professional ethics and literacy

Teachers should integrate the basic needs of enterprises for security positions into the process of network security teaching, improve students' self-learning ability, communication ability, and team collaboration ability, and guide students to establish correct professional spirit, professional ethics, and network security concept, in order to improve students' professional literacy, comprehensive literacy, and sense of professional identity, and thus cultivate a group of network technology professionals who are law-abiding, dedicated, honest, responsible, and innovative.

4. Exploration of the concept and practice of ideological and political education in curriculum under the background of "three comprehensive education"

In the process of carrying out ideological and political education in courses, the content of ideological and political education cannot be rigidly applied to professional courses. It should be effectively integrated into the content of ideological and political education based on the teaching characteristics and advantages of the course, in order to ensure that professional course teaching has a more humane and historical sedimentation. Therefore, by integrating ideological and political education in the process of network security technology teaching, gradually guiding students to establish correct socialist values can organically integrate implicit education with explicit education funds, and comprehensively improve the level and quality of ideological and political education in current network security technology courses.

4.1. Promoting curriculum ideological and political education should start with teachers

To comprehensively promote the orderly implementation of ideological and political education in network security technology courses, we should start from teachers and truly implement the principle of mutual benefit between teaching and learning. Firstly, teachers should combine their own cultural literacy and ideological and moral level, establish correct political concepts, and continuously learn independently, in order to keep up with the times, and arm their moral literacy with socialist ideology to maintain a positive teaching attitude in the process of network security technology teaching. Secondly, it is necessary to implement the student-centered teaching philosophy, timely understand students' real needs, and optimize and improve existing teaching content and methods from the perspective of students, in order to effectively integrate ideological and political education into network security technology courses, provide appropriate guidance and guidance to students, and subtly cultivate their ideological and political awareness and moral literacy. Finally, teachers should pay attention to their own language and behavior, clarify the teaching philosophy of "learning high as a teacher and moral high as a model", and ensure that they have a high level of professional, comprehensive, and moral literacy. Only by scientifically and reasonably applying words and examples can they stimulate students' active learning enthusiasm and initiative, while ensuring that students can move towards the path of comprehensive development of moral and intellectual education.

4.2. Promoting the ideological and political concepts of the curriculum

If teachers do not establish a correct educational philosophy and have a one-sided understanding of curriculum ideological and political education, believing that curriculum ideological and political education must be carried out in every class, they cannot effectively integrate professional technical theoretical knowledge with ideological and political education, which will seriously hinder the continuous improvement of the level and quality of curriculum ideological and political education under the background of "three comprehensive education". Although most universities have implemented corresponding practical teaching courses, due to the tight academic hours of professional courses, many teachers are unable to invest more time and energy in the process of ideological and political education. However, if relevant content of ideological and political education can be integrated into professional theoretical teaching, it can also promote the cultivation of professional knowledge and skills. Therefore, teachers should actively introduce advanced curriculum ideological and political teaching concepts, and integrate ideological and political education into professional curriculum teaching, in order to achieve the teaching goal of cultivating morality, nurturing people, and moistening things silently. At the same time, in the process of comprehensively promoting ideological and political education in courses, the principles of political and scientific nature should be implemented. By implementing collective lesson preparation and listening systems, the management of classroom teaching should be strengthened to ensure that classroom teaching is more correct and accurate, which can lay the foundation for comprehensively improving the level and quality of ideological and political education in network security technology courses.

4.3. Promoting the ideological and political education of curriculum "putting virtue first"

In the process of teaching students how to do things, teachers should first teach them how to behave. They need to fully explore the ideological and political elements contained in the courses of network security technology, and implement the teaching principle of cultivating morality and cultivating people. Moral education should be given priority, so as to guide students to establish correct

worldviews, outlooks on life, and values. Only then can they constrain and restrict students' behavior norms, and ensure that students develop good moral literacy. This enables students to become professional talents with both academic and moral qualities.

4.4. Promoting course ideological and political education should recognize the importance of teaching design

The courses in the field of network security technology contain rich ideological and political education content. Therefore, in the process of carrying out ideological and political education in courses, it is necessary to effectively integrate it with professional course knowledge, fully explore the ideological and political elements contained in professional courses, and display the relevant content of philosophical viewpoints, thinking methods, learning attitudes, ideological and moral character, and humanistic care contained in professional courses. Furthermore, it can provide important materials and cases for subsequent ideological and political education work. Therefore, in the process of designing ideological and political education in cybersecurity technology courses, it is necessary to prevent rote imitation and not to engage in moral education for the sake of moral education. Instead, and necessary to prepare lessons in advance and carefully, continuously excavate the ideological and political elements contained in professional courses, in order to ensure that the course design content is more scientific and reasonable, and combine the actual level and ideological values of current students, and ensure that the teaching content is more authentic. Only by making ideological reeducation valuable can we find the connection point between professional courses and ideological and political education, fully reveal the close connection between professional courses and ideological elements, and comprehensively improve the quality and level of ideological and political education in network security technology courses. At the same time, in the process of teaching design, it is necessary to combine the actual needs of students, based on the standards of student talent cultivation, and implement the principle of problem oriented teaching. Only then can we help students solve problems in the learning process in a timely manner, and improve their comprehensive literacy and professional cultivation. In addition, by designing more scientific and reasonable teaching design schemes, the current teaching content can also be more rich and vivid, thereby stimulating students' learning enthusiasm and initiative. By organically integrating professional courses with ideological and political education, the current teaching content can be optimized and improved, thereby comprehensively achieving the teaching goal of cultivating morality and cultivating talents.

5. Conclusion

In summary, under the current concept of "three comprehensive education", teachers should recognize the importance of ideological and political education in the curriculum. By strengthening students' ideological education, psychological education, and professional ethics education, they can promote students to optimize and improve their own knowledge system, comprehensively improve students' comprehensive, professional, and ideological and moral literacy, and enable them to meet the basic needs of the development of the times, so as to be able to exert one's own economic and social value in social positions.

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