

# The Construction and Research of "Network Security" Curriculum Thought

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**Abstract:** Carrying out the construction of "curriculum thought" in higher vocational colleges is a specific strategy to thoroughly implement the spirit of the national ideological and political work conference, and also a specific method to promote the construction process of ideological education in higher vocational colleges. How to promote the construction of "curriculum thought" in the teaching process of professional courses is a problem that schools and teachers need to think about. This paper takes the core professional course of "Network Security" as an example to carry out the construction of "curriculum thought", focusing on excavating the ideological elements contained in professional courses and exploring the construction of "curriculum thought".

**Keywords:** Network Security; Curriculum Thought; Integration Point

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## 1. The connotation of ideological and political affairs in the course

Han Yu has such a sentence in Shi Shuo: "An ancient scholar must have teachers and teachers, so they preach, teach knowledge and solve doubts." Han Yu's educational theory has influenced the education of China for generations, and it is still the teaching law followed by educators in the teaching process. The school classroom not only needs to impart professional knowledge, to solve the professional confusion, but also will affect the formation of students' world outlook and outlook on life. Student age is an important stage for a person. Students' ideological and moral character and behavior norms gradually mature at this stage. The knowledge taught by teachers to students in classroom teaching will affect students' thinking and cognition, and have an impact on his future behavior in the society. Classroom is the main channel of teaching, and teachers are the first responsible person for classroom teaching. Teachers should have the consciousness and ability to cultivate morality, so as to pay attention to the cultivation of students' ability and the guidance of value while imparting professional knowledge, so as to meet the requirements of "three comprehensive education".

School ideological education courses called the ideological course, and course education is in the professional course teaching process, combined with the characteristics of the course will add some ideological elements, such as socialist core values, ideals and beliefs, professional ethics, etc., guide students to set up the correct world outlook, the outlook on life and values, therefore, the use of course education wider and wider. Ideological and political course is to naturally integrate ideological and political elements in the teaching process. According to the characteristics of the major and the course, we should find suitable integration points, and organically combine the thoughts reflected in some theoretical points in the professional course with the philosophy in real life. We should not only make the professional courses easy to accept, but also inadvertently quietly implant the positive point of view into the students' minds, so that ideological and political education can play a silent effect, and achieve the organic combination of knowledge and skills and ideological education.

In the process of school education, in order to adapt to the requirements of the new situation, curriculum teaching, student management will constantly reform, school curriculum ideological construction, is to change the original school single ideological course education mode, in order to let students grow up more healthily, improve the quality of the school education, curriculum ideological construction is all kinds of colleges and universities is urgent.

## **2. The necessity of network security course ideological and political**

### **progress into the classroom**

#### **2.1 The needs of the network information age**

With the continuous development of The Times, information technology is more and more developed, especially big data, Internet, wisdom city, cloud platform, etc., information is a very important resource, any field of information can be found on the network, information technology brings people great convenience, of course, people enjoy the convenient at the same time, also to face the corresponding problems, so information security in today's society is especially important, it not only affects our personal information leakage, more related to the country's political environment and ideological security. General Secretary Xi Jinping has proposed that "without cyber security, there would be no national security". Network security is related to national security and social stability, that one of the important aspects of network security is that network users should have security awareness, anyone in the process of using the network should abide by the law, keep the bottom line of morality.

#### **2.2 The urgent needs of curriculum ideological and political education**

##### **reform**

General Secretary Xi put forward: "We should adhere to the moral education as the central link, the ideological and political work throughout the whole process of education and teaching, and realize the whole-process and all-round education." Most of the original ideological education is carried out in the ideological and political education courses, so that the content is relatively simple. Therefore, school teachers need to explore how to integrate the ideological and political content into the current professional classroom, and integrate different ideological and political content into different professional courses. Although many higher vocational colleges are carrying out ideological and political construction, they neglect to infiltrate the ideological and political ideas into the daily teaching work of professional courses. Professional course education and ideological and political education develop independently in their respective fields and are separated from each other, thus failing to naturally integrate professional course content with ideological and political content.

#### **2.3 The need of high-quality network security team construction**

"Network security" course is the core course of computer network major. How to organically combine professional curriculum and ideological and political education is a direction of professional curriculum teaching reform. We know that in the building industry, the bottom cornerstone is the foundation. Only when the cornerstone is solid and firm, can the safety of the whole building be guaranteed. Combined with the characteristics of the computer network professional, "network security" course in the ideological and political education is like the cornerstone, in the teaching process if there is no moral quality education, may cultivate a batch of not take the right "hackers", they will or from their own desires, or can't help the temptation to cause some network security accidents. Therefore, in the teaching process of network course, we must strengthen the education of students' network security awareness, and expand the construction of network security team. Because due to age, cognitive degree and other reasons, students still have some problems in their discrimination ability. If they do not pay attention to the strengthening of relevant security knowledge in the process of network learning, there may be deviation in the process of use, and even cause irreparable impact. Therefore, it is the duty of every teacher to educate students how to use the network correctly and strengthen the concept of the network legal system. While serving as professional knowledge teaching, professional course teachers should also integrate ideological and political education into the curriculum, and cultivate qualified and law-abiding network professional students.

### **3. The ideological and political construction strategy of the "network security" course**

The implementation process of ideological and political courses is to integrate ideological and moral education in the teaching of professional courses. Professional courses are the carrier, and the study of student professional courses and ideological and political education should promote each other and share information and resources.

#### **3.1 Conduct legal education under the guidance of the Network Security**

##### **Law**

Dig deep into the network security law and "network security" course resonance and the breakthrough point, oriented, looking for ideological elements related to network security, carefully analyze the chapters, find the breakthrough point, the ideological content into network security teaching, through the combination of actual cases and network security knowledge, analysis of network security law on network security, the students understand law-abiding ideological education, improve students' network security consciousness and laws and regulations. In the teaching work of network security courses into legal knowledge, so that students can learn professional knowledge and master the relevant laws and regulations, enhance students' legal awareness, so as to promote the development of legal education work in the school.

#### **3.2 Patriotic education with the characteristics of professional courses as the carrier**

With the rapid development of the information system today, the information system has become the necessary national infrastructure, and the security problem of the information system has become increasingly prominent. It is common to attack attacks and damage on network information every day. If the information system is not protected, these attacks and damage events will cause great economic losses and even threaten national security. Therefore, the problem of information system security has attracted great attention from the country. In order to cope with various security challenges, the country is in urgent need of a group of high-quality, high-consciousness network security professionals.

### **4. The network security curriculum to carry out the "curriculum ideological and political" construction of the integration point**

Before the ideological and political courses, teachers mainly pay attention to the teaching of professional knowledge when teaching professional courses, but ignore the students' ideological dynamics. The following to "network security" this professional course as an example, from the following two aspects of the course ideological and political content "flexible" into the classroom, to achieve the effect of invisible education.

In the first chapter of the teaching content "network security foundation", teachers organize students to watch the network security publicity series of videos, so that students deeply understand the challenges of China's network security, China's network security construction process and the urgent training needs of China's network security talents. Establish students' good sense of responsibility and professional ethics, and carry out patriotism education in combination with the current situation of China's construction and development. Let students establish correct socialist values, cultivate good professional outlook and professional quality, guide students to be patriotic, transfer positive energy.

### **5. Conclusion**

It is not only the trend of The Times to carry out the construction of "curriculum ideological and political affairs", but

also the new requirement of the social development in the new era for the education work of higher vocational colleges."Curriculum ideological and political education" is not only for ideological education in professional courses, but also to deeply explore the ideological and political elements of the curriculum and integrate ideological and political education into professional curriculum education.This paper through the network security core professional courses to explore the computer network professional "courses" construction, and promote the construction of "courses", hope through this paper summarize experience, the "courses" into each professional professional courses, implementation in the professional course of students, the whole process, all-round education.

## References

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