

# *On the exploration and practice of curriculum ideology and politics in the construction of computer network courses*

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**Abstract:** Statements were put forward at the ideological and political work conference in China's colleges and universities that the effective combination of different courses and curriculum ideology and politics, especially the full use of classroom teaching channels, can achieve coordinated development. However, it should be noted that at this stage, there are still some problems in the computer network courses of colleges and universities in China, and how to apply the ideological and political aspects of the course and give full play to its maximum effect is an important way for computer network courses to be carried out normally. This paper mainly expounds the importance of curriculum ideology and politics, as well as the current situation of curriculum ideology and politics in computer network courses, and further puts forward corresponding teaching strategies, so as to contribute to China's teaching work.

## 1. Introduction

In China's traditional teaching work, the curriculum ideology and politics of colleges and universities will arrange professional teachers to carry out teaching work. With the further reform of China's teaching work, related information technology is also widely used in teaching work. At this stage, students' thinking and concepts have been strongly impacted, which has put forward higher requirements for ideological and political teaching. In view of such a situation, ideological and political education will not achieve better results if it only relies on a single curriculum to carry it out. In view of such a situation, it is necessary to infiltrate the relevant content of ideological and political education in the actual teaching process, and infiltrate this aspect of the content in computer network courses, which can not only cultivate students' professional ability, but also help students form excellent qualities.

## 2. The Significance of Ideological and Political Courses

Specifically, curriculum ideology and politics is to effectively integrate the relevant courses and curriculum ideology and politics of colleges and universities, so that the teaching content can be reformed, and it can play a better role in the process of imparting knowledge to students, and can also

lead students with value. By building the content of the whole curriculum, it can be in line with the relevant educational concepts, and all-round education can be achieved, so as to help students better grasp the knowledge and enable students to have higher quality <sup>[1]</sup>.

The teaching work of establishing morality and cultivating people in colleges and universities is a very systematic project and an important teaching goal. At this stage, colleges and universities need to stand in the pattern of "big thinking and politics" and make full use of various teaching methods to achieve the goal of cultivating morality and cultivating people. In the professional courses of colleges and universities, it is necessary to broaden the teaching channels and put forward higher requirements for the teaching level of professional teachers. For professional teachers of computer network courses, it is not only necessary to master the teaching content of the professional course, but also to explore the ideological and political materials based on the teaching content, and continuously optimize the teaching methods, so as to form a computer network course with the ideological and political characteristics of the course, infiltrate the ideological and political content in teaching, help students better establish goals, and form correct values and professional outlook <sup>[2]</sup>.

In the past, the traditional ideological and political teaching work was generally independent of other courses and would not be organically integrated with other courses. At this stage, the curriculum of ideological and political education emphasizes more on grasping the content of ideological and political teaching from a macro perspective, and further broadening the teaching scope of ideological and political education, so as to help teachers shoulder the heavy responsibility of ideological and political education, and also realize the innovation of teaching concepts, give full play to the maximum role of ideological and political education, and fully improve the comprehensive ability of students. In the computer network courses of colleges and universities, what teachers need to do is to actively integrate relevant teaching content in them, and give full play to the important role of computer network courses to form a mutually promoting teaching mode, so as to help students not only master professional knowledge, but also obtain ideological and political education.

### **3. Current Status of Computer Network Course Teaching**

#### **3.1. Improper Curriculum Setting**

From the perspective of the development of computer network courses in Chinese universities at this stage, there are many problems, such as the teaching objectives are not clear enough, and the relevant practical teaching and theoretical teaching are disconnected; In the setting of curriculum objectives, the relevant knowledge objectives and the quality goals that students need to have are not clear, and the curriculum setting process is not scientific. Relevant teachers often involve more theoretical knowledge in the actual teaching process, and the teaching of this theoretical knowledge is often boring. Although some teachers may provide students with opportunities to practice in the classroom, this kind of practical work is often superficial, the practical content and the theoretical content are separated, and students cannot correctly understand the relevant knowledge. In addition, in the classroom, students are very passive and do not have relevant self-learning awareness, and the classroom efficiency is not high enough; On the other hand, teachers generally arrange students to practice in the computer room, and they are very basic operations, which are disconnected from theoretical knowledge, which is not conducive to students' internalization of theoretical knowledge; In addition, in terms of course content, the teaching methods are relatively single, and there is a lack of cross-professional related awareness, lack of industry development and related current affairs hot spots, which is not conducive to the effective improvement of students' professional qualities <sup>[3]</sup>.

### **3.2. Insufficient Understanding of Teachers and Students**

In the traditional teaching process, the relevant teachers of computer network courses have a relatively single teaching method, and they cannot combine the actual situation of students' learning and integrate it with the relevant content of curriculum ideology and politics. In the actual teaching process, the teaching content is not scientifically improved, which is not conducive to student learning. In addition, with the development of the times, modern technology is developing very rapidly, if teachers only explain the knowledge in the textbook, it will also limit students' vision and detach from the pace of development of the times. Students do not pay enough attention to the ideological and political curriculum, there are problems in the concept of values, and students lack the cultivation of professional quality, which is not conducive to the sustainable development of students. For students, when actually learning relevant computer network knowledge, there is a lack of scientific learning methods and scientific judgment ability, which is easy to be misled by some bad information. For colleges and universities, in the process of actually carrying out teaching work, only focus on students' professional course learning, students do not pay attention to other aspects of development, the gap between students is also very obvious, teachers are not able to adopt different teaching methods for different students, which is not conducive to improving teaching efficiency, nor is it conducive to cultivating students' professional professionalism.

## **4. Teaching Reform Measures of Computer Network Courses under the Ideological and Political Concept of Curriculum**

### **4.1. Do a Good Job in Top-Level Design, and Lay the Foundation for Curriculum Ideology and Politics**

At this stage of the teaching work in China's colleges and universities, the introduction of curriculum ideology and politics related content requires relevant teachers to change their traditional teaching concepts and reform the curriculum. Specifically, the top-level design work needs to be done strictly. Top-level design is an important guideline for the development of teaching work, teachers can implement the top-level design work more comfortable in carrying out teaching work, but also can guide students to better digest knowledge under the overall goal, and learn ideological and political related content from it, so that the classroom teaching atmosphere is more active, and students can exert their subjective initiative in such a teaching atmosphere. First of all, teachers of tabcomputer network courses need to formulate more scientific curriculum objectives and carry out more practical teaching work in accordance with relevant guidance programs; Teachers need to focus on practical teaching in the classroom, let students understand theoretical knowledge through practice, integrate relevant content of ideological and political education into it, and make scientific arrangements for the content and time of the course in combination with the actual situation of students, so as to achieve the organic integration of practice and theory. For example, when teachers carry out the relevant teaching content of Word application, teachers need to guide students to apply relevant software on the computer for practical operation, and verify the theoretical knowledge in a specific time process, so that students can better understand the theoretical knowledge, deepen their understanding of theoretical knowledge, and further improve teaching efficiency; In addition, for teachers, it is also necessary to build a complete dual integration system based on the actual situation of students' learning<sup>[4]</sup>.

There is a great difference between the context of computer network courses and the ideological and political context of courses, how to organically integrate the two contexts, and distinguish the relationship between them, and explore the mode of common development of both sides. In the actual teaching process, what teachers need to do is to give full play to the explicit function of computer

network courses, and make ideological and political education more targeted in the curriculum, so as to meet the actual learning needs of students. For example, teachers also need to do a good job in information management in the teaching process, and guide students how to use information safely, so that students can understand the importance of information security, and will not be lured by bad information, and their ability to distinguish information has been effectively improved.

#### 4.2. Excavate the Connotation of the Foundation of Computer Applications and Expand Teaching Resources

When teaching relevant basic computer knowledge, what teachers need to do is to adhere to the principle of people-oriented, think from the perspective of students, and innovate and reform the course content. Teachers need to introduce the relevant content of curriculum ideology and politics in the classroom, combine these knowledge with computer knowledge, and subtly influence students. In terms of teaching objectives, teachers should aim to cultivate students' overall professional qualities, and need to integrate different majors and cultures into them, so as to help students develop good habits. In addition, it is necessary to conduct ability assessment and search for important information to improve students' self-learning ability. Moreover, for teachers, it is also necessary to ask more questions to students in class, and the content of questions is also open-ended, so as to cultivate students' divergent thinking. In the context of today's informatization, China's education methods are developing towards a diversified way, teachers teaching is no longer limited to the classroom, teachers can also lead students to the computer room to practice, can also use a variety of information technology to complete the teaching work, which can broaden the channels for students to obtain information, but also enable students to have a deeper understanding of the development of different industries and knowledge in different fields [5].

For example, computer network course teachers can create a perfect network platform for students to interact, teachers can also make full use of relevant resources on the network to help students expand their horizons, so as to help students master the latest computer knowledge, but also can improve students' judgment ability, through the integration of curriculum ideology and politics can help students correctly view the popular culture on the Internet, guide students to correctly apply information technology, can help students avoid the impact of bad information. In addition, teachers also need to be taught to be cautious when speaking online, the Internet is not a place outside the law, and to jointly maintain the good environment of the Internet. Through resource sharing or online teaching, the time and space limitations in the teaching process can also be broken.

#### 5. Conclusions

To sum up, in the current stage of teaching work in colleges and universities, computer network courses are very important professional courses, teachers need to do is to integrate the relevant content of curriculum ideology and politics, in the process of helping students master computer professional knowledge, but also need to help students establish correct values, cultivate students' comprehensive ability, and promote students' all-round progress.

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