

# **The exploration of ideological and political education in computer general curriculum**

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**Abstract:** Ideological and political education in universities plays a crucial role in strengthening students' ideals and convictions and shaping a correct outlook on world, life and values. Integrating ideological and political education into computer general curriculum exerts a formative influence on students' mental health and values unconsciously, which is conducive to upgrading students' comprehensive quality and ensuring their healthy development.

## **1. Introduction**

People-oriented education requires all-around development of students with moral education as the first priority. Fostering ideological and political consciousness in higher education is a well-planned and well-organized practice, aiming to cultivate students in politics, ideology, morality and psychology in order to achieve a specific purpose. Such kind of practice ensures healthy development of students by strengthening their ideals and convictions and establishing correct outlook on world, life and values. Ideological and political education is designed to deal with the ideological and moral problems that exist in the process of individual growth. More important, it is expected to make values, political views and moral standards advocated by society more acceptable to individuals by spreading positive energy so as to fuel all-round development of students.

Ideological and political education improves students from two aspects. On the one hand, it helps students solve the existing moral and ideological problems, on the other hand, it taps the students' own positive potential to better exert their conscious initiative. However, for a long time, the ideological and political courses in universities have been diminished to a dry and boring subject, far less attractive than other courses. At the same time, a variety of problems have bred among universities students due to the lack of the concentration on ideological and political courses, such as weak convictions and distorted values.

Considering the current status of ideological and political courses in colleges and universities, it is imperative to introduce such courses into other disciplines. The computer general curriculum, as a common course, covers a wide range of students and is generally offered to freshman, providing them with better guidance for learning.

## **2. The design of ideological and political courses in computer general curriculum**

We integrate ideology and politics into the teaching content of the computer general education curriculum with the intention to infiltrate the ideas into students, which has achieved good results. They are mainly manifested in the following aspects:

### **1) Eliminate fear of difficulties in learning**

Different from high school education which puts more emphasis on class collective learning with teacher's help in answering specific questions, higher education arranges teachers to teach in class and requires students themselves to think deeply after class. Faculty in universities mostly teach according to textbook while the input of knowledge mainly depends on students' self-discipline and self-learning ability. It is more difficult for freshmen to adapt to university life smoothly if their self-learning ability is relatively poor. Therefore, fear of difficulties in university learning is generated among many students. In the teaching of programming courses, case teaching method is adopted, in this way, computer programs are used to solve problems in real life. For

instance, we can design programs that can simulate vending machines and solve problems that “a hundred bucks buy a hundred chickens” (a math problem from Chinese mathematical works). This not only improves students’ learning interest on programming but also forms the habit of independent learning to help students better adapt to university life.

#### 2) Enhance students' national pride

The current development is involved in computer general curriculum. By understanding the history and current status of computers, especially the top world ranking of China’s supercomputers, students will be able to realize China’s growing from strength to strength, thus greatly enhancing their national pride.

#### 3) Moral and legal education

The database course sheds light on security measures of data access and network data security and warn students against committing cybercrime; the software engineering section introduces intellectual property protection and so on to guide students to abide by the law and respect intellectual property rights.

#### 4) Collaborative ability training

Many university students are only children nowadays. Due to parental spoiling, they are so stubborn in their own ways without adopting any other suggestions that cannot cooperate well with others. In view of that, we will arrange large homework before class is over. Everyone is asked to complete a large program in groups, during which they must work in cooperation with a due division of duties, equipping students with the ability to cooperate and help each other.

### 3. Conclusion

Integrating ideological and political education into computer general curriculum exerts a formative influence on students’ mental health and values unconsciously, which serves as an excellent complement for students' ideological and political education.

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