

# Research on the Reform of Teaching Computer Fundamentals in Art Majors under the Background of Integrating Ideology and Curriculum

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**Abstract.** The goal of education is not only to cultivate knowledgeable and skilled individuals, but more importantly, to cultivate individuals with ethics, ideals, and the ability to succeed the socialist cause. Moral education should be integrated throughout the entire process of education and teaching, deeply integrated with various levels and disciplines, and guide students to establish correct worldviews, life values, and ideals, strengthen their sense of mission, and cultivate qualified socialist builders and successors. The concept of "integrating ideology and curriculum" aims to incorporate ideological and political education into teaching beyond the ideological and political classroom. Based on the characteristics of the curriculum itself, it integrates ideals and beliefs, national achievements, career ideals, excellent traditional culture, legal education, craftsmanship spirit, and labor education into curriculum teaching to achieve the goal of moral education. This article takes the university computer fundamentals course as the research object and explores the integration of ideology and curriculum in the teaching of computer fundamentals in art majors.

**Keywords:** Course Ideological and Political Education; Computer Fundamentals; Teaching Reform; Application Practice; PowerPoint.

## 1. Introduction

The guiding outline for the ideological and political construction of courses in Colleges and universities points out that comprehensively promoting the ideological and political construction of courses is a strategic measure to implement the fundamental task of Building Morality and cultivating people. To implement the fundamental task of Building Morality and cultivating people, we must integrate value building, knowledge teaching and ability training. As a university general course, college computer basic course is open to all majors, covering the teaching of modern information technology such as information technology and network technology. The integration of Ideological and political education in this course can widely improve college students' Ideological and political literacy, and cultivate college students' sense of mission, cultural pride and identity; Art majors are open-minded, energetic, and have a strong sense of honor and justice. However, most of them have a sense of slackness due to different foundations, cognitive levels, and attention levels of the course. Cutting into teaching cases and practice links that resonate with students can greatly improve the classroom atmosphere and students' interest in learning, stimulate interest, take the initiative to learn, apply exploration, link with practice, and value orientation, Combine the same major with the ideological and political concept, so as to achieve the teaching goal of the course.

## 2. The Educational Essence of the "Integrating Ideology and Curriculum" Concept

To cultivate talents, we must first educate people. Through the selection, organization and implementation of course content and teaching methods, as well as teachers' words and deeds, we can comprehensively cultivate students' ideological morality and moral feelings. "Course Ideological and political education" is to deeply tap the ideological and political education resources contained in the course content and teaching methods, so that the ideological and political theory is no longer simply solidified in the special theoretical learning courses, can be organically integrated with other subject courses, effectively discover the characteristics of each course, and widely apply the ideological essence in all fields of education and teaching, through classroom teaching, teaching discussion,



experimental training, and homework papers, In classroom teaching, we should combine the education of Ideological and political theory and world outlook with the cultivation of scientific spirit, improve students' ability to correctly understand, analyze and solve problems, and cultivate students' innovative thinking and practical ability, so that students can better understand the essence of ideas and practice their mission by combining theory with practice, so as to cultivate students' sense of responsibility and mission in exploring the unknown, pursuing truth and building a scientific and technological power; Cultivate students' moral emotion and moral cultivation, and improve students' moral consciousness and moral behavior ability.

### **3. The Inevitability of the Implementation of the Teaching Reform of Basic Computer Courses**

#### **3.1. The Teaching Mode is Outdated.**

At present, most schools still carry out university computer basic teaching according to the teaching class, and the teaching process is completely completed according to the whole process of teaching. The differences in students' levels, interests and acceptance abilities lead to the failure to achieve the curriculum objectives, which ultimately makes students unable to do a good job in the layout of graduation design after completing the course, and a basic form A basic computer failure and a meeting ppt cannot be completed. The traditional teaching method can not meet the requirements of the new curriculum standard, can not effectively and personalized solve the problem of uneven learners, and can not achieve the teaching goal of educating people and talents.

#### **3.2. Learners' Safety Awareness is Weak**

Although contemporary youth as network aborigines can use the applications derived from the network and information technology skillfully, they lack the ability to identify the network and applications and the rules for correct use. While the network brings convenience to people's lives, it also brings a lot of insecurity. Learners' lack of network security awareness will lead to the risk of property loss and information theft; Even learners' moral consciousness is shallow, and they are used to carry out activities that harm the interests of others and affect social stability, such as online fraud and illegal data collection. Therefore, it is very necessary to introduce ideological and political elements into the course teaching.

### **4. Feasibility Analysis on the Integration of Ideological and Political Education in the Teaching Reform of Basic Computer Courses**

#### **4.1. As a General Course in University, Computer Basic Course has a Wide Range of Basic Teaching Groups and Teaching Environment.**

With the development of network and information technology, it is a social trend to have certain computer skills. Considering the importance, environment and scope of application of the course, implanting the ideological and political concepts of the course plays an important role in the cultivation of students' ideological understanding, moral sentiment and moral cultivation, and the promotion of education in China. The integration of Ideological and political theory into the extensive information technology foundation course can also enable students to better integrate theory with the real society and solve practical problems, in-depth understanding and guide practice.

#### **4.2. The Teaching Goal of College Computer Course is to Let Students Understand the Development Process of Information Technology**

understand the significance and role of information technology for human development, cultivate students' ability to solve common computer problems and skillfully use office software, improve students' information literacy, and strengthen students' awareness of network security and information

power. According to the curriculum objectives, ideological and political ideas can be well integrated in the teaching of each chapter.

In the chapter teaching of the history of computer development, the course of China's computer development is discussed, and China's independently developed world-class "galaxy", "dawn" and other high-performance series computers are integrated to enhance students' patriotism and national pride; In the process of computer network teaching, students are taught to use network tools by retrieving the ideological and political information such as important meetings and important thoughts of the party; The introduction of network security cases in reality enables students to improve their awareness of network security, consciously resist network security behavior, and become law-abiding citizens who maintain network security and build a network power; The practical operation cases in the teaching of office automation should take China's new development concepts, new technologies and other literature materials as the content of word typesetting, take China's GDP growth, economic development data, national education informatization development data and other data as the material of Excel data processing, and introduce meritorious people and objects, role models, national important activities, anti epidemic and other content as the material of PPT, so as to complete the learning objectives of office software. Learn how to use and edit software while understanding the development and strength of China's economy, science and technology, see the spirit of craftsmanship and dedication in the example, see the efforts and achievements made by our country to realize the Chinese dream of the great rejuvenation of the Chinese nation, enhance students' cultural self-confidence, system self-confidence, road self-confidence and theoretical self-confidence, enhance students' sense of mission to realize the Chinese dream, and contribute to building a scientific and technological power Strive to become a network power.

### **4.3. The Current Level of Information Technology Development Can Support the Integration of Ideological and Political Courses**

As a developing country, our country has a growing number of political content such as new ideas, new ideas and new policies. The traditional classroom and teachers' cognition and learning efficiency can no longer meet the students' needs for knowledge, nor can they provide students with accurate and up-to-date information in time. The development of information technology has brought a new teaching mode to the traditional classroom teaching. Make full use of new media technology to obtain new theoretical guidance and activity content, and effectively implant it into the teaching link of the course, open students' perspective with the latest cases and theories, arouse students' resonance, and improve students' cognition; The online teaching platform and app are used to make teaching videos and MOOCS. Combined with the online teacher class, the students can fully understand the course content before class. The students take questions through examples and the teachers' missing explanations to link up the learning content. After class, the students use the mind map to summarize and review. The richness of teaching resources has also brought new scenes of knowledge levels and learning modes for students' learning.

## **5. Case Study of Computer Basic Teaching Reform based on the Ideological and Political Concept of the Course**

This chapter is based on the teaching objectives of the production chapter of PowerPoint presentation, and combines the ideological and political elements to carry out the course Ideological and political teaching design case.

### **5.1. Course Teaching Objectives:**

Proficient in the use of PowerPoint tools, able to use setting the background, adjusting the layout, creating an interface with pictures and texts, and setting different formats to clearly display and express the theme; It can quickly create a unified style for the presentation by using the master and style.

## **5.2. Ideological and Political Elements:**

Introduce the elements of meritorious figures, and take the introduction of meritorious figures yuanlongping as the theme, so that students can experience the deeds and life dedication of meritorious figures, think about their life direction, and stimulate students' mission.

## **5.3. Process and Method Objectives:**

Before class, use the "QQ group" to release self-made micro class videos, so that students can effectively and actively preview and understand the course content; Collect yuanlongping's life story, work photos and other data. In the process of collection, I feel that yuanlongping is committed to the cause of rice optimization research in China, striving on the front line, fearless of difficulties, painstaking efforts and dedication, and has made great contributions to solving the problem of food for the people across the country.

In the class, the example demonstration teaching is carried out, and the theory and operation are combined to guide students to actively think and solve problems. Set the problem link, guide students to solve and demonstrate, improve students' participation enthusiasm and initiative, transform the external indoctrination into the internal active process of seeking answers, deepen the understanding of the course, and improve the operation ability. Use the materials collected by students to complete the case. First, use PowerPoint courseware to sort out the operation content of this course and demonstrate the operation methods of various functions; The whole process of PPT presentation production is based on the theme of meritorious figures -- yuanlongping. According to the theme, we can choose the red and yellow background theme of the party and government style; Analyze the data to determine that the PPT page layout includes title slide, picture text slide, picture slide and other layout settings; The title is embedded in WordArt to highlight the theme - meritorious service, learn to add WordArt; Introduce people with pictures and set hyperlinks to get more information about people's lives and learn how to set hyperlinks; Add pictures and videos of people's life work, increase the understanding of meritorious people's life work, experience the hard work and selfless spirit, and learn how to add pictures and videos; Join the background music of the hero worship series, experience the immortal achievements and dedication of meritorious figures, and learn to add background music.

The practice course links are designed and produced in groups with the theme of "network and informatization help the prevention and control of new crown pneumonia". While learning the operation of various design and production functions of PowerPoint, we can deeply understand the help of artificial intelligence, big data, 5g and other network and information technology to fight against new coronal pneumonia during the epidemic, clarify the convenience brought by the development of network and information technology to mankind, and realize the importance of "science and technology is the first productive force", cultivating scientific and technological talents and building a powerful country with science and technology. So as to strengthen their faith, enhance their sense of responsibility and mission, improve their learning enthusiasm, further improve their skills, and achieve the goal of educating people and talents for the country.

## **6. The Practical Effect and Reflection of Curriculum Ideological and Political Education in the Teaching of College Computer Foundation**

### **6.1. Teaching Effectiveness**

In the teaching of basic computer science in universities, taking the effect of the above cases as an example, the teaching practice of Ideological and political reform was carried out for students majoring in broadcasting and hosting art. In the process of introducing meritorious figures to carry out the operation and production of this example, we collected materials before class, demonstrated examples in class, and practiced in groups after class to cultivate students' ability to sort and screen information, analyze and solve problems, strengthen the social significance of subject knowledge,

improve students' Ideological and moral quality and comprehensive quality, and improve students' teamwork spirit and cohesion.

During the whole teaching process, students actively searched for the materials of meritorious figures, information on the Internet and information technology to help prevent and control the epidemic, cooperated within the group, took the initiative to screen the materials, improved the awareness of team cooperation, and learned about the extraordinary performance of ordinary posts, and understood that only in the post can they make a difference by loving their posts, being down-to-earth, actively studying and daring to undertake; The use of materials collected by students in the teaching process has significantly improved students' learning enthusiasm, classroom activity, and student participation, enabling students to truly take the initiative to master computer operation knowledge and skills, achieve the goal of knowledge learning, and further achieve the goal of educating people; The practical assignments submitted in groups are no longer just completed. The truly internalized course practical assignments, rich display and content, enable students to improve the ability of information processing while mastering operation skills, and truly understand the changes in our lives and work brought about by network and information technology such as artificial intelligence and big data. Through the explanation of the works in groups, students' awareness of scientific and technological power will be further strengthened.

After the completion of the course, the students' feedback on the teaching effect shows that the students' satisfaction with the integration of Ideological and political education into the teaching of college computer foundation is very high in the teaching content, teaching method reform and classroom teaching effect, which shows that the curriculum reform Integrating Ideological and political elements is recognized by students, successful and effective.

## 6.2. Teaching Reflection

Although the reform of Ideological and political education has achieved good results, there are still some problems worthy of reflection. Due to the differences of teachers' information literacy, subject knowledge ability and ideological and political level, the implementation of teaching links such as curriculum design will have different degrees of effect. It is necessary to have a unified and reasonable team teaching discussion and formulate a reasonable teaching effect evaluation mechanism, so as to better support the teaching reform of the course, which is a problem that all courses need to face.

## 7. Conclusion

The reform of the ideological and political integration of computer basic courses is a new measure of the teaching reform of computer courses. It is also an important means for ideological and political education to guide young people and achieve the goal of education. The expansion of the education mode only depends on a small number of Ideological and political courses. Through the teaching reform, the ideological and political elements are deeply excavated to enable students to establish a correct outlook on life and values, have a strong sense of mission and responsibility, and make due contributions to the society after they enter the society.

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