

# Research on Ideological and Political Construction of College Computer Foundation Course

Pingshui Wang, Tao Chen

School of Management Science and Engineering, Anhui University of Finance & Economics, Bengbu 233030, China

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**Abstract:** College computer foundation is a compulsory course for non-computer majors in colleges and universities. It has a wide range of students' participation and great influence on the teaching effect. According to the characteristics of large amount of knowledge and wide audience of college computer basic course, starting from the educational concept of "curriculum ideological and political", through the analysis of the current situation of "College computer foundation" course ideological and political teaching, this paper puts forward the construction of "College computer foundation" course ideological and political model.

**Keywords:** College computer foundation; Curriculum ideological and political; Ideological and political education

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## I. INTRODUCTION

Curriculum ideological and political construction is an effective way for colleges and universities to implement the idea of moral cultivation. Curriculum thought and politics refers to a comprehensive educational concept that combines all kinds of courses with ideological and political theory courses in the form of building a whole-course, whole-course education pattern, realizing the organic combination of explicit and invisible education, and taking "cultivating morality and educating people" as the fundamental task of education.

As a compulsory general education course in colleges and universities, College computer foundation is offered to the students in the first year of non-computer major in the whole school. The course is not only opened early, but also widely accepted. First-year university students are in an important stage of the formation of their outlook on life and values, and many students are full of curiosity and expectations for college life. It is necessary to seize this critical period and change the previous curriculum in which teachers mainly focus on the explanation of computer theoretical knowledge and the training of skill operation, and pay little attention to students' ideological and political education. Teaching methods that seldom pay attention to the improvement of students' moral quality and the formation of students' values effectively implement curriculum ideological and political education in college computer foundation, and play a role of "cultivating morality".

## II. ANALYSIS OF IDEOLOGICAL AND POLITICAL TEACHING STATUS OF " COLLEGE COMPUTER FOUNDATION" COURSE

### 2.1 The content of the course is single, and the elements of "curriculum ideology and politics" are few

At present, the teaching content of " College computer foundation" course textbooks selected by many colleges and universities can be updated in time to ensure the advanced nature of the teaching content and the consistency with social needs. However, in the ideological and political aspects of the curriculum, there are few clear ideological and moral education contents in the textbooks, and the teaching emphasis is mainly concentrated on the technical knowledge and application of computer, ignoring the cultivation of students' ideological and moral character. This leads to the lack of students' values and moral awareness, which affects the formation of their norms of behavior and social responsibility in study and work. In addition, the wide application of computer technology has brought a huge impact on the society. In the course learning, students seldom realize the social responsibility they should bear in the development of technology, lack the understanding and thinking of the ethics and laws of technology application, and do not play a good role in guiding the formation of students' values.

### 2.2 Teachers have strong professional ability and weak ideological and political education ability

At present, the vast majority of "College computer foundation" course teachers have solid professional knowledge and strong teaching ability. In daily teaching, they only pay attention to training college students how to use computers to process information efficiently, and rarely combine ideological and political education with basic computer knowledge. Teachers often only pay attention to the imparting of knowledge, lack of guidance to

students' ideological and moral training and social responsibility education, which makes ideological and political education and subject education out of line with each other, and difficult to achieve the goal of comprehensive education. In addition, teachers rarely integrate humanistic care and values into classroom teaching in course teaching, because current teachers, influenced by traditional teaching concepts, only attach importance to professional skills education, ignoring the organic combination of computer technology and ideological and political education. Most computer teachers do not have professional background in ideological and political education, and there is less special teacher training for daily ideological and political education. Therefore, although teachers are competent to impart professional knowledge of this course, it is difficult to truly cultivate college students who can meet the needs of society.

There are some problems in the ideological and political education of "College computer foundation" course, such as lack of ideological and moral education, lack of social responsibility education, traditional teaching methods, disconnect between ideological and political education and subject education. These problems restrict the cultivation of students' comprehensive quality and the realization of ideological and political education goals. Therefore, it is necessary to carry out teaching reform, design and implement teaching programs that meet the needs of modern society and educational concepts, in order to promote the improvement of students' ideological and moral quality and the development of comprehensive ability.

### **III. IDEOLOGICAL AND POLITICAL TEACHING DESIGN OF "COLLEGE COMPUTER FOUNDATION" COURSE**

#### **3.1 Ideological and political objectives of "College computer foundation" courses**

In the outline of ideological and political construction of the curriculum of colleges and universities, it is pointed out that what people to train, how to train people and for whom to train people are the fundamental problems of education, and the effect of cultivating people is the fundamental standard to test all the work of colleges and universities. To carry out the fundamental task of building moral and cultivating people, we must integrate value shaping, knowledge imparting and ability training into one and cannot be separated. To carry out ideological and political teaching of college computer foundation course, we must first establish the value target, knowledge target and ability target of this course.

#### **3.2 "College computer foundation" ideological and political teaching design**

"College computer foundation" courses include computer development, information representation in computers and other basic knowledge, computer hardware and software systems, text editing software, spreadsheet processing software, electronic presentation, computer network and security. In the previous teaching, the main goal was to cultivate students' computer application ability and computational thinking ability. The content of curriculum teaching and ideological and political education were almost two parallel lines, and teachers would not consciously incorporate ideological and political education into the teaching design. Now, according to the requirements put forward in "The Outline of Ideological and Political Construction of Curriculum in Colleges and Universities", this paper excavates the ideological and political content hidden in the teaching content, and draws up the ideological and political teaching content of the university computer foundation.

#### **3.3 Ideological and political implementation path of "College computer foundation" courses**

Curriculum thought and politics is a kind of educational idea and a kind of teaching practice. Under the guidance of "The Outline of Ideological and Political Construction of Curriculum in Colleges and Universities", "College computer foundation" courses have carried out the following educational practices.

##### **3.3.1 Improve teachers' ideological and political awareness of curriculum and actively participate in curriculum construction**

In "The Outline of Ideological and Political Construction of Curriculum in Colleges and Universities", the Ministry of Education requires that the curriculum ideological and political construction in all colleges and universities and all disciplines should be comprehensively promoted to promote the awareness and ability of teachers to carry out curriculum ideological and political construction. The ideological and political documents and policies issued in recent years provide institutional guarantee for the implementation of curriculum ideological and political construction, but to comprehensively promote the construction of curriculum ideological and political construction, the soul lies in ideological and political construction, and the key lies in teachers. The effectiveness of curriculum ideological and political construction depends on teachers' ideological and political education awareness and ability, and teachers must reverse the current situation of knowledge imparts and skills cultivation in the teaching of "College computer foundation" according to the new requirements. Bearing in mind the responsibility of educating people, firmly establish the new concept of educating people, unify teaching and educating people, consciously integrate thought leading, knowledge imparting and ability training into the curriculum teaching design and teaching, organically unify "knowledge imparting" and "value leading" in

teaching, curriculum thinking and politics is a big project, which requires the active participation of every teacher to make the curriculum thinking and politics construction be implemented in detail. In the curriculum to achieve the function of educating people.

### **3.3.2 Strengthen the way of implicit education of ideological and political education in the curriculum, and tap the ideological and political resources contained in the curriculum**

#### **(1) Combine with the major to explore the ideological and political resources contained in the "College computer foundation" courses**

Ideological and political courses must adhere to the unity of knowledge, ability and education goals. The excavation and design of ideological and political elements of courses must consider students' acceptability, avoid the phenomenon of separation and "two-layer skin" between ideological and political content and professional content. To integrate ideological and political content into professional knowledge organically, teachers should extract the ideological and political content contained in professional courses. It is necessary to effectively design ideological and political content and teaching cases, so that students can receive ideological and political education while learning professional knowledge, combine knowledge imparts with value guidance, and integrate ideological and political education into the silent knowledge learning.

#### **(2) Using "fragmented way" to carry out curriculum ideology and politics**

The rapid development of network technology and communication technology has enabled "seamless learning" to be realized. Students in the information age also like this way, editing and producing content that is closely related to the curriculum and can carry out ideological and political education, and producing special video clips such as "Sunway Taihulight Supercomputer System", "China Core China Dream" and "Network Security Cases". Students' excellent works over the years, such as "Smile Besta", "Very six plus one", "Military training works exhibition" and "Beautiful Campus works exhibition", are selected and shared on the server of the teaching department. Students can also watch and study independently after class, evaluate students' works, and put forward suggestions for revision. Through study and discussion, students' ideological and political consciousness is gradually influenced.

#### **(3) Construction of ideological and political resources and evaluation system for "College computer foundation" courses**

The ideological and political course is an educational concept proposed in recent years, and the development time is short. At present, the university has completed the ideological and political teaching syllabus, teaching plans, teaching cases and courseware compilation. Teaching evaluation pays more attention to process evaluation, including students' participation in class, completion of computer practice, theme competition, mutual evaluation of works, and group discussion. The server of the teaching department was used to build ideological and political teaching resources such as ideological teaching design, "The Struggle History of Supercomputer" and other ideological and political teaching resources, including excellent Word, PowerPoint, Excel ideological and political works made by students, and "Smile Pepsi" video reflecting positive life attitude.

### **3.3.3 Integrate ideological and political elements into the curriculum in combination with students' disciplinary and application background**

#### **(1) Take the actual needs of students as the starting point, and grasp the opportunity to integrate ideological and political elements**

With the increasing informatization of daily work, document and data processing has become a basic skill that college graduates should have. Computer application ability is also particularly important in the learning process of students in the whole university stage: students need to understand the development achievements of the computer industry and representative figures, and stimulate students' innovation consciousness and teamwork spirit; Students need to be proficient in office software operation skills, text editing, graphic layout, data visualization, resume design and other basic abilities.

Therefore, first of all, we should take the actual needs of students as the starting point and grasp the opportunity to integrate ideological and political elements. In the chapter of computer culture and frontier technology, ideological and political elements such as "patriotism" and "scientific and technological innovation" are integrated to guide students in the process of studying the stories of important figures that laid the foundation of modern computer, stimulate students' internal learning motivation and scientific and technological innovation consciousness, and cultivate students' patriotic enthusiasm for the realization of the great rejuvenation of the Chinese nation and make unremitting efforts. In the chapter of office software, news events, legal publicity and other elements are integrated to guide students to obtain news materials on the Internet and make public welfare publicity posters, so as to cultivate students' good habits of paying attention to social developments.

#### **(2) Based on the implementation of specific projects, integrate the ideological and political elements with distinct themes**

Integrate ideological and political elements based on the implementation of specific tasks. In order to comprehensively improve the computer application level of college students, the school where the author works has compiled task-driven basic computer course materials from the perspective of students' learning needs. The main purpose is to enable students to keep pace with The Times, carry out specific applications in the actual office environment, and get closer to the actual job application operation. Let students master more professional, skilled office skills and higher information processing ability.

In the teaching of basic computer courses in college, the experimental part is divided into 10 experimental tasks, of which 2 tasks correspond to the knowledge points of windows and 8 tasks correspond to the knowledge points of office software, and each task corresponds to several knowledge points. In each experiment project, the ideological and political elements of the curriculum are properly integrated. For example, in the Word long document processing task, with "rural revitalization" as the theme, add rural revitalization investigation paper typesetting cases, guide students to pay attention to rural construction trends, and cultivate students' feelings of loving and building their hometown.

### **(3) Take the discipline as the orientation, and integrate the ideological and political elements with distinct professional characteristics**

The "College computer foundation" course is open to all non-computer majors, but it is obviously unreasonable to integrate ideological and political elements in a one-size-fits-all way for students of different majors. The integration of ideology and politics in the curriculum should not only consider the use of ideological and political elements and cases in theoretical teaching to carry out professional patriotic education for students, but also consider the use of various methods and means to train students in aspects of scientific spirit and professional quality. Therefore, it is suggested that teachers integrate ideological and political elements related to students' subject majors. For example, in the process of teaching Excel office software in professional classes of business subjects, expansion cases related to economic growth are incorporated to guide students to learn data visualization cases, and at the same time, based on the basic theory of economic growth and China's economic reality, the economic growth situation of China and the United States and other major countries is compared, so as to improve students' understanding of building an economic power. In the process of teaching Word office software to the classes of foreign language subjects, I integrate the culture, customs, scenic spots and other relevant cases of other countries, deepen the understanding of domestic and foreign culture through knowledge combing and vertical and vertical comparison, cultivate students' dialectical thinking ability and enhance cultural confidence.

## **IV. CONCLUSION**

The ideological and political education of basic computer courses in universities lacks ideological and moral education and social responsibility education. The current curriculum often neglects the cultivation of students' ideological and moral character, as well as the ethical and legal thinking of the application of technology, making students lack good values and moral awareness, which affects the formation of their code of conduct and social responsibility. Based on the analysis of the current situation of "College computer foundation" courses, this paper puts forward several measures for the teaching reform of college computer basic education under the background of "curriculum ideology and politics". Under the background of "curriculum ideology and politics", ideological and moral education and social responsibility education should be strengthened while learning professional basic knowledge, and teaching methods should be improved to realize the organic integration of ideological and political education and subject education. Establish a diversified evaluation system, so as to better train computer talents with innovative spirit, social responsibility and comprehensive ability, to meet the needs of social development.

## **CONFLICT OF INTEREST**

There is no conflict to disclose.

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