

Research on the Path of Ideological and Political Education in the Course of Circuit Fundamentals for Electronic Information Majors in Higher Vocational Education

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Abstract: *The teaching reform of "course ideological and political education" in professional courses is a systematic project. It is necessary to not only improve students' ideological and political education, but also enable teachers to improve their political literacy. Moreover, it is necessary to reflect course ideological and political education in school enterprise cooperation. This article conducts research and exploration on the implementation path of the electronic information professional course "Curriculum Ideological and Political Education" through analysis and practice.*

Keywords: Curriculum ideological and political education; Electronic Information.

1. INTRODUCTION

Curriculum ideological and political education refers to a comprehensive educational concept that combines various courses with ideological and political theory courses in the form of constructing a pattern of education for all staff, the whole process, and the entire curriculum, forming a synergistic effect, and taking "cultivating morality and cultivating talents" as the fundamental task of education. The course "Fundamentals of Circuits" is a required professional platform course for the IoT Application Technology, Communication, and Applied Electronic Technology majors in our vocational college. It is a theoretical and practical course. This course is a solid foundation for students to obtain intermediate and advanced maintenance electrician qualification certificates, graduate employment, and also a basic course for some subsequent professional courses. Through the study of this course, students will be able to understand and master the basic theories of circuits that electronic information technicians must possess.

Basic analysis methods, mastery of the use of various commonly used electrical instruments and meters, as well as simple electrical measurement methods, preliminary learning of the use of some commonly used electrical tools and wiring techniques, laying a certain foundation for subsequent professional courses and practical engineering applications after entering society in the future. At the same time, this course enables learners to improve their thinking ability, logical reasoning ability, and ability to connect theory with practice. The leading course is "Advanced Mathematics", followed by courses such as "Electronic Technology", "Principles and Interface Technology of Microcontrollers", and "RFID Technology".

In this course, ideological and political education can not only cultivate and enhance students' interest in the field of their major, but also cultivate and practice socialist core values in the early stages of student enrollment, thereby improving the overall quality of professional talent cultivation.

2. SOLVED PROBLEMS

(1) China's higher education has made great achievements in cultivating students' knowledge and abilities, but there is still a long way to go in terms of ideological education for students. The report of the 19th National Congress of the Communist Party of China pointed out that the primary goal of education is to "cultivate virtue and cultivate people". With the rapid development of science and technology in the 21st century, the demand for talents in society continues to increase. While cultivating and cultivating talents, strengthening ideological education, cultivating and practicing socialist core values, and cultivating new generations who shoulder the responsibility of national rejuvenation are the key to realizing the Chinese national dream.

(2) Most university teachers only focus on their professional knowledge in their field of study, without understanding the development trend of contemporary university education, the ideological and political status of college students, and the international and domestic situation, which limits the knowledge range of university teachers and affects their teaching effectiveness. Nowadays, some university teachers have strong professional knowledge, but their political awareness is not strong. They only care about their own professional knowledge, do not care about national affairs, do not understand the times, and do not study seriously

The important documents of the Party have led to a lack of political theoretical level, a lack of long-term understanding of the current affairs and development of the country, and some deviations in ideological consciousness. In terms of words and actions,

it is reflected in inappropriate remarks made in the classroom.

(3) Contemporary college students do not attach great importance to ideological and political courses. More and more college students are only seeking a diploma or an opportunity to obtain a higher education, ultimately in order to find a good job and live a good life in the future. As for ideals, at least we should not go hungry on the path of pursuing them. This leads to students valuing professional courses while neglecting ideological and political courses.

3. IMPLEMENTATION PATH

How to reflect the three important characteristics of "long-term effectiveness," "representativeness," and "complementarity" when designing the operation and management system of the ideological and political practice path in the curriculum. And how to fully integrate the three important features into the operation process during the specific operation of the course. Can the cultivation of students' social core values through the guidance of ideological and political education in the curriculum fully reflect the fundamental task of cultivating morality and cultivating talents. If it cannot be fully reflected, how to incorporate the connotations of other aspects of moral education into the specific process of student cultivation. Ultimately, the path of ideological and political practice in the curriculum is implemented from three levels.

(1) Joint learning of teachers and students: through monthly political learning, professional teachers can build a "long-term" ideological and political theory to learn the New Normal, especially party member teachers, and also strengthen learning through the "learning powerful country" APP; Establish an interaction between "curriculum ideological and political education" and "teacher party branch construction", with the party branch grasping the direction and monitoring the process and achievements of teacher curriculum ideological and political education; At the same time, professional teachers who have undergone theoretical learning can integrate political theory into professional teaching during the teaching process, learn together with students, and grow together. By continuously enriching the ideological and educational content of the curriculum, teachers enable students to constantly feel the pulse of the times and the needs of the country, and also extend the spiritual power behind knowledge.

(2) National Shared Prosperity: Restructuring the course content through a project-based approach, designing "representative" projects in the course, allowing students to work in teams to complete projects, understand China's new developments and achievements in the field of electronic information, and stimulate students' patriotic pride. The short-term goal is to be able to complete simple electronic design projects, while cultivating students' learning enthusiasm and providing technical and political literacy for regional economic development and socialist modernization construction.

(4) Co education of engineering and learning: Fully carry out school enterprise cooperation, allowing students to enter the enterprise to complete projects, learn the rigorous work style and the spirit of striving for excellence as craftsmen; In the process of work, there is a spirit of dedication, excellence, concentration, innovation, and pursuit of excellence. Infiltrating into the design and production of specific products has planted the seeds of "craftsmanship spirit" in the hearts of students; Strive to let students inherit and practice the "craftsman spirit" in their future work, study and life practice, and contribute to the "Made in China 2025". The curriculum of school enterprise cooperation is based on classroom teaching and higher than classroom teaching, which determines that school enterprise cooperation and classroom teaching, guided by the principle of engineering learning co education, can form a "complementary" relationship.

Among them, establishing a long-term course ideological and political practice path is the cornerstone of the entire framework. Around this cornerstone, various rules and regulations such as teacher ideological and political learning, course project selection, guidance, monitoring, and evaluation for school enterprise cooperation cultivation are established, providing institutional guarantees for the good operation of course ideological and political education; A well run curriculum ideological and political practice path can create a good team learning environment and atmosphere, promoting students' self-management and self-directed learning.

4. EXPERIENCE SHARING

The basic idea of this research project is to use curriculum ideological and political education as a guide and lever to establish The ideological and political practice path of the course "Fundamentals of Circuit" is the cornerstone, with "long-term effectiveness" and "representativeness Complementarity" is an important guidance. Through pilot projects, a complete set of rules and regulations are carefully designed to standardize the main tasks and specific work of curriculum ideological and political education, providing institutional guarantees for the normal operation of curriculum ideological and political education, and ultimately forming a long-term mechanism for the practical path of curriculum ideological and political education.

4.1 Ensuring the learning effectiveness of teachers

Mainly considering the evaluability of learning, teachers are encouraged to download the "Learning Power" app Free learning in the app, reflecting the effectiveness of learning through the score of the app.

4.2 Choose appropriate course projects to ensure the expression of patriotism

At present, China's electronic information industry is developing rapidly, with multiple fields leading the world. The projects in the curriculum are selected from these fields. At the same time, track the development of technology and update project content in real-time.

4.3 Continuously Developing School Enterprise Cooperation

The unstable factors of school enterprise cooperative enterprises should be taken into account, and the forms can be diverse. Visiting the enterprise for learning or inviting enterprise engineers to the school to take students on projects are feasible models. It's not important what project to do, the key is to make students immerse themselves in the spirit of craftsmanship during the process.

5. SUMMARY

Since the administrative reform of government departments in the 1980s, public management has emerged in a new way. Since the 2008 financial crisis, in the light of fiscal austerity, how to plan and coordinate the budget within government departments has had a significant effect on the budgeting performance of the whole sector. Through the course of ideological and political education, the construction of the course "Fundamentals of Circuits" has been promoted, playing a demonstration and leading role in other courses related to electronic information. The implementation effect after the pilot of "Circuit Fundamentals" is good, indicating that this long-term mechanism has good application and promotion value.

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